



Institute of Advanced Study
Annual Report
2018

WARWICK
INSTITUTE OF ADVANCED STUDY



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This report gives a brief account of the activity of the **Warwick Institute of Advanced Study** in the 2016-17 academic year





Welcome

from the new Director of the Institute
of Advanced Study

Warwick's Institute of Advanced Study has a mission to advance new research ideas, unconstrained by disciplinary boundaries and other people's targets and strategies. As you can imagine, it is a thrilling place to work, and I urge you to get involved with IAS by applying for support, coming to events, or just popping in.

This year, thanks to the efforts of my colleagues in IAS and my predecessor Giorgio Riello, we recruited our first cohort of nine postdoctoral research fellows to the Warwick Interdisciplinary Research Leaders (WIRL-COFUND) Programme. Funded by Warwick and the Marie Skłodowska Curie Actions COFUND scheme, they come from all over the world, and are collaborating around the world. They are undertaking ambitious, independent, interdisciplinary research and are participating in our new Academic Careers & Leadership (Accolade) programme. These new colleagues are showcased in this report along with the rest of the international community of IAS.


Our unique Early Career Fellowship programme is as strong as ever - a selection of Warwick's best and most ambitious PhD graduates are empowered to advance their research ideas and careers with some help from the IAS Academic Careers and Employability (ACE) programme. The new WIRL-COFUND Fellows act as inspiring mentors, setting the bar very high.

Our report also highlights the new friends and collaborators that Warwick has gained through its International Visiting Fellow and (shorter term) Residential Fellow programmes. These colleagues enrich and internationalise the academic environment

of Warwick. They contribute substantially to the life of the IAS via seminars and also just by being around to talk.

Looking ahead, we need to respond to Brexit and other challenges, giving help to colleagues who need to build collaborations with individuals and institutions in the EU and in all continents. We also need to help Warwick build on its reputation as a place of both creativity and innovation.

Professor Peter Scott
Director, Institute of
Advanced Study



About the IAS:

Mission & Purpose

Warwick has a strong and clear research strategy that calls on us to address the world's most pressing challenges, but also to lead by creating new research ideas.

Warwick is also determined to be a leading global university, building connections with individuals and institutions who see the world as a place that can be transformed by learning and working together.

Warwick's IAS is thus dedicated to advancing new research ideas, characterised by:

- ▶ **Interdisciplinarity** - creating synergies between traditional research disciplines
- ▶ **Innovation** - facilitating activities that realise the full value of our ideas
- ▶ **Internationalisation** - connecting Warwick researchers with partners around the world

Warwick's IAS is distinctive among its sister institutions around the world in that it supports the entire research community; early career, academic colleagues and prestigious international visitors. We serve Warwick's research community by providing financial support and an environment for the exchange and development of ideas, supporting initiatives that are of strategic importance to Warwick, and making fast, transparent funding decisions.



IAS Fellows

WIRL-COFUND Fellows



In 2016, the Warwick Interdisciplinary Research Leaders (WIRL-COFUND) project received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska Curie Actions COFUND scheme to develop the next generation of research leaders.

WIRL-COFUND builds on the successful training model developed in the IAS fellowship programmes to bring together prestigious early career researchers from around the world into an interdisciplinary research environment.

WIRL-COFUND fellows are undertaking independent research in an area that is linked to one of the Warwick Global Research Priorities.

We are delighted to announce that the first nine WIRL-COFUND

Fellows have been recruited to join us for two years. During their time at Warwick, these Fellows will undertake individual research projects and partake in the Academic Careers and Leadership training programme.



**Dr Theodora Hadjimichael,
Department of Classics, Connecting
Cultures GRP**

Dr Hadjimichael holds a BA in Greek Philology from the University of Athens in Greece and an MA and PhD in Classics from University College London.

After the completion of her PhD, she held research and teaching posts in diverse academic environments in the UK, the Netherlands, and Cyprus, and has been successful in receiving fellowships and grants for research stays in the USA. Before moving to Warwick she was based at LMU Munich in Germany where she held a postdoctoral research fellowship, funded by the DFG Exzellenzinitiative.

Her work focuses on Greek Lyric poetry and its reception in antiquity, as well as on ancient literary and cultural history. Her first monograph, *The Emergence of the Lyric Canon*, explores the complexities of the process of canonisation of lyric poetry and is under contract for publication with Oxford University Press.

As a WIRL-COFUND fellow she is exploring the importance of the fourth century in the reception of sixth- and fifth-century lyric poetry by focusing on Plato and by analysing his impact on ancient perceptions of lyric.



**Dr Alice Leonard, Department of
English and Comparative Literary
Studies, Connecting Cultures GRP**

Dr Leonard's postdoctoral project is entitled *Richard Hakluyt's The Principal Navigations: Travel, Colonialism, Prose*. The project focuses on *The Principal Navigations* (1598-1600), one of the most important works of English travel literature ever published.

She aims to situate *The Principal Navigations* in the formation of global systems, such as trade, mobility and colonialism. She hypothesizes that Hakluyt founded a form of colonial travel discourse which finds its way into the writing of the following century, specifically seventeenth-century prose fiction.

She was previously a postdoctoral fellow in Early Modern English Literature at the University of Neuchatel, Switzerland, and is finishing a monograph entitled *Shakespeare and Error*.



**Dr Ellie Martus, Department
of Sociology, Global
Governance GRP**

Dr Martus' research explores environmental politics in the post-Soviet region, with a focus on policymaking, governance arrangements and the capacity of states to protect their natural environments. She has recently published a book based on her doctoral thesis, *Russian Environmental Politics: state, industry and policymaking* (Routledge, 2017), and her work has appeared in *Post-Soviet Affairs* and *Demokratizatsiya*.

In 2017, she was a visiting fellow at the Australian National University Centre for European Studies in Canberra. She earned an MPhil at St Antony's College, Oxford before completing her PhD at the University of New South Wales.





**Dr Elisabetta Nadalutti,
Department of Politics &
International Studies, Behavioural
Science GRP**

Dr Nadalutti's research focuses on empirical and theoretical questions on global governance, regionalism and regionalisation. She is presently working on the theoretical elaboration of an ethical humanist code of cross-border governance in order to better understand the ethical dimension of CBC within the European Union and Southeast Asia.

Elisabetta has recently been a postdoctoral fellow at RELATE Centre of Excellence at the University of Oulu, Junior Fellow Marie S. Curie FCFP at FRIAS (Albert-Ludwig-Universität Freiburg). After passing her viva at the University of Bath she was awarded an Erasmus Mundus postdoctoral scholarship at Australian National University (Canberra).

She was later a visiting researcher at the United Nations University Institute on Comparative Regional Integration Studies in Brugge (Belgium) and Marie Curie and Fonds National de la Recherche Luxembourg postdoctoral fellow. She further developed her comparative analysis at the Käte Hamburger Kolleg, Centre for Global Cooperation Research in Duisburg.



**Dr Elizabeth Nolte, Department
of English & Comparative Literary
Studies, Connecting Cultures GRP**

Dr Nolte's research focuses on literature and politics, censorship, and bureaucracy in modern Turkey and the post-Ottoman region from the Balkans to the Middle East.

She recently completed a PhD in Near & Middle Eastern Studies at the University of Washington and also holds an MA from Columbia University. Her doctoral thesis examined the modernist author Ahmet Hamdi Tanpınar in the context of Turkey's transition to multiparty democracy and the sociopolitical transformation of authorial subjectivity and changing literary practices during the Cold War.

As a WIRL-COFUND fellow, she is investigating the roles of censorship and literature in contemporary political events in Turkey and how censorship of traditional media and political expression has catalysed literary production that draws on transhistorical and transnational networks through the translation and circulation of literature across digital platforms, social media, and national borders.



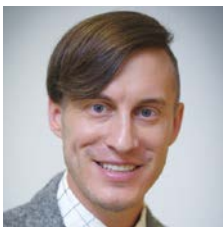
**Dr Anirudh Rana, Mathematics
Institute, Energy GRP**

Dr Rana's research activities focus on scientific aspects of modelling and simulating real world engineering processes. His research interests and background include non-equilibrium thermodynamics, kinetic theory, molecular dynamics simulations, computational fluid dynamics and rheology, and numerical methods for hyperbolic-parabolic systems.

Before joining IAS, he worked as a research fellow at the Mathematics Institute, University of Warwick (2016-2017) and Gyeongsang National University, South Korea (2014-2016).

He completed his PhD in mechanical engineering on numerical simulation of rarefied gas flow in micro and vacuum devices, with Professor Henning Struchtrup at University of Victoria (Canada) in 2014.

During his PhD, he studied extended fluid dynamics theories, such as Grad-13 moment equations, Burnett equations, regularised moment equations, describing intriguing non-equilibrium effects in gases at micro and nano length scales.



Dr Stephen Seely, Department of Sociology, Connecting Cultures GRP

Dr Seely's research focuses on the philosophical and political relationships between life, sex, and spirituality, especially as these are structured by the dominance of Western technical-scientific rationality. He earned his PhD in Women's & Gender Studies from Rutgers University in 2016, where he specialized in feminist, decolonial, and continental philosophy.

His dissertation studied the critiques of technical-scientific understandings of life and sex developed in post-Heideggerian French thought (Irigaray, Simondon, and Foucault). His postdoctoral project, *Queer Theory from the South: Creolizing Decolonial and Sexual Politics in South Africa*, will develop research he has conducted in South Africa into a monograph that investigates how indigenous and Islamic LGBT activists in South Africa have negotiated competing cultural values in both theory and practice. Through an examination of four specific cases, he asks how centering the work of these activists might shift social theory and policy discussions on sexuality, multiculturalism, and globalization. His work has been published in *Women's Studies Quarterly*, *Feminist Formations*, *Social Text*, *The Australian Feminist Law Journal*, and his book *The Spirit of Revolution: Beyond the Dead Ends of Man* (co-authored with Drucilla Cornell) was published by Polity Press in 2016.



Dr Olga Smith, Department of History of Art, Connecting Cultures GRP

Dr Smith's research expertise lies in the field of contemporary art and, within that, she focuses specifically on photography and lens-based media. Entitled *Aesthetics and Politics of Landscape Representation in Contemporary Photography in Europe*, her postdoctoral research project studies representations of natural and built environments in contemporary photographic practices in Europe, with reference to issues such as national identity, urban expansion and anthropogenic climate change.

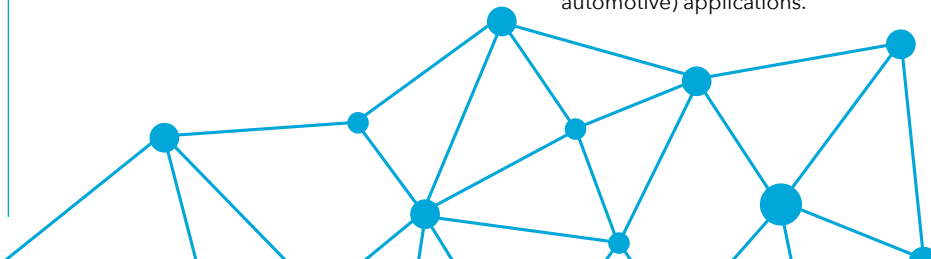
She has previously held a Postdoctoral Fellowship at the Humboldt University of Berlin, and positions at the University of St Andrews and Tate Gallery, London. Her PhD thesis was prepared at the École Normale Supérieure (Paris Ulm) and University of Cambridge. She is the co-editor of *Anamnesis: Private and Public Memory in Modern French Culture* (Peter Lang: 2009) and has published in *Art History*, *History of Photography*, *Fotogeschichte* and *Nottingham French Studies*.



Dr David Fengwei Xie, Warwick Manufacturing Group, Innovative Manufacturing GRP

Dr Xie holds a PhD (2009) in Polysaccharide Engineering from South China University of Technology (China) and a Graduate Certificate degree (2014) in Higher Education from The University of Queensland (Australia). Since 2008, he has worked as a research fellow at University of Guelph (Canada), Université de Strasbourg (France), and The University of Queensland (Australia), being involved in multiple research projects supported by governments and industry.

As a materials scientist, he is highly interested in creating advanced materials with superior properties and appealing functions that can not only improve our daily life but also address sustainability and a circular economy. His research has already generated >70 journal publications, with >2300 citations. As a WIRL-COFUND fellow, Dr Xie is developing innovative manufacturing technologies to create next-generation sustainable nanocomposite materials for high-value (e.g. biomedical) and high-volume (e.g. automotive) applications.



Early Career Fellows

The Institute awards 25 10-month Early Career Fellowships each year. The programme supports fellows in the transition period from the submission of their doctoral theses through to beginning postdoctoral careers. Fellows use their time to undertake career development activities, while engaging with the interdisciplinary environment of the IAS and participating in the Academic Careers and Employability training programme.



Dr Valentina Abbattelli, School of Modern Languages and Cultures

Valentina's thesis, *Producing and Marketing Translations in Fascist Italy: Uncle Tom's Cabin and Little Women*, examines the sociological, cultural and ideological contexts affecting the production and marketing of two of these long-term sellers of American literature which addressed different target audiences.

Tracing the history of publishing of these two novels, her research intends to gain insight into the continuities and discontinuities between Liberal and Fascist Italy and into the Fascist representation of race and gender. She joined Warwick in 2013, after completing a PhD in History of Italian Language at the University of Rome 'La Sapienza'.



Dr Maria Adobes Vidal, Department of Chemistry

Maria's research focuses on the development of novel theoretical and experimental analytical methodologies for surface analysis and its application to study the dissolution of crystals.

Crystal dissolution is important in many areas, from the administration of pharmaceuticals to certain medical conditions involving the formation of stones, to practical applications such as scale removal. Her work is highly multidisciplinary and has been carried out in close collaboration with AstraZeneca and New York University where she completed a three month placement as part of her Marie Curie Early Stage Researcher fellowship. Maria also contributes significantly to outreach and public understanding of science events.



Carlo Avilio, Department of History of Art

Carlo's PhD thesis, *Naturalism and the Picaresque in the work of Jusepe de Ribera (1592-1652)*, focuses on one of the most prominent painters of Spanish Naples and one of the most innovative interpreters of Caravaggio's painting in Europe.

The aim of his current research is to show that the emergence of scientific experimentalism in Naples in the wake of Galileo's new science and developed first in Rome, then in Florence and other Italian cities, is paramount for our understanding of both some crucial elements of Ribera's painting commonly categorized as "naturalistic" and some parodic aspects of his comedic vein.



Soroosh Afyouni, Institute of Digital Healthcare, Warwick Manufacturing Group

Soroosh's research focuses on functional connectivity of the human brain. Using neuroimaging techniques and statistical methods, he develops frameworks aiming to facilitate group inference to gain a better understanding into changes in the human brain due to neuropsychiatric disorders.

He completed his PhD in 2016 at the Institute of Digital Healthcare, University of Warwick. His thesis was focused on developing network statistical methods to describe the human 'connectomics' in healthy and disordered subjects. Prior to his PhD, in 2012 he graduated in Electronic Engineering from the University of Birmingham. His research at the IAS is focused on the novel area of 'population connectomics' which aims to integrate topological features of the brain with other available phenotypes through large-scale data-sets to explore the interaction between the human brain, demographics, behaviour and lifestyle.



Desiree Arbo, Department of Classics & Ancient History

Desiree's PhD thesis explored the functions of classical learning in colonial Paraguay between 1750 and 1815. Her research centred primarily on the legacy of the Society of Jesus (Jesuits) as authors of Latin literature, as educators, and as missionaries to the Guarani Indians. She argued that a focus on classical learning shed light on broader intellectual trends in the transition from the colonial to independent periods, which help explain the initial construction of national identities.

In Spring 2016, she was a visiting graduate student at Johns Hopkins University as part of the project *Antiquity and its Uses* between Hopkins and the Centre for the Study of the Renaissance at Warwick. As an Early Career Fellow at the IAS, she continues forging links between students and academics interested in the reception of antiquity across disciplines.



Sourit Bhattacharya, Department of English and Comparative Literary Studies

Sourit recently submitted a doctoral thesis on crisis, catastrophe, and literary form in the postcolonial Indian novel. For postdoctoral research, he is interested in disasters, neo-imperialism, and literary representations in the postcolonial world, little magazine movements in post-independence India and Mahasweta Devi.

His research has appeared in such journals as *ARIEL*, *Textual Practice*, *Interventions*, *South Asian History and Culture*, and in edited books *Postcolonial Urban Outcasts* (Routledge), and *Aesthetics and Politics of Global Hunger* (Palgrave). He is a founding co-editor of *Sanglap: Journal of Literary and Cultural Inquiry*.





Birgit Breidenbach, Department of English and Comparative Literary Studies

Birgit's research focuses on literary theory, affect and modern European fiction. In her PhD thesis, *Stimmung and Modernity: The Aesthetic Philosophy of Mood in Dostoevsky, Beckett and Bernhard*, she explored the aesthetic concept of Stimmung (mood) through the lens of the modern philosophy of the subject and in nineteenth- and twentieth-century European literature.

She is currently working on an edited volume based on an interdisciplinary conference on mood, which she co-organised in 2016, and is looking to expand her research on the affective dimension of aesthetic experience in her postdoctoral research.



Lara Choksey, Department of English and Comparative Literary Studies

Lara's research focuses on representations of biological heredity and evolutionary theory in culture (literature, cinema, media and policy). Her research interests include science and literature, critical and cultural theory, and biosemiotics.

Her PhD focused on the writing of 'epigenetic' forms of change in Doris Lessing's science fiction in relation to the themes of governance, labour and resistance. Her postdoctoral project will take the interdisciplinary framework developed in the thesis to a broader context, looking at intersections between cultural narratives of heredity and forms of governance, alongside systems of uneven healthcare distribution in a post-genomic context.



Gregory Brown, Department of Physics

Greg's research in astronomy focuses on the study of transient events occurring within the central regions of their host galaxies. These include supernovae, gamma-ray bursts and tidal disruption flares, the latter representing the shredding and accretion of a star by a supermassive black hole.

These have the power to provide insights into black hole growth and thus galaxy formation and evolution. He also has a passion for outreach, organising trips to local schools with the Astronomy Group's planetarium and providing contributions to on-campus events such as the XMaS Gala and visits in association with Coventry City Council's LACES scheme.



Nefeli Chatzistefani, School of Engineering & Institute of Advanced Teaching & Learning

As an IAS/IATL early career teaching fellow, one of Nefeli's main current interests is to develop an interdisciplinary pedagogy that will teach students the mechanics of the human body through learning about human movement and exploring the relationship between mechanics and fun activities such as sports.

This idea sprung from her PhD project titled *Mathematical modelling and simulation of the foot with specific application to the Achilles tendon*. The basic aim of her PhD research has been to develop a mathematical/mechanical musculoskeletal model of the Achilles tendon - gastrocnemius muscle that gives as an outcome-specific parameters for any individual studied and provides an integral component in the ultimate creation of a dynamic model of the human body.

To accomplish this, human gait (the manner of walking) and other everyday movements were studied in the Gait Laboratory of the University of Warwick. Prior to her PhD she completed an M.Sc. in Applied Mechanics and a Diploma (B.Sc. and M.Sc.) in Applied Mathematics and Physics at the National Technical University of Athens (NTUA).



Serena Dyer, Department of History

Serena's research examines the figure of the consumer in eighteenth-century Britain, focusing in particular on the female consumer of dress. Her PhD, entitled *Trained to Consume: Dress and the Female Consumer in England, 1720-1820* was submitted in September 2016, and was funded by the ESRC. Alongside the IAS ECF she also held a Teaching Fellowship in Early Modern European History in the Department of History. She previously worked in curatorial roles within museums - most recently as Assistant Curator at the National Portrait Gallery - and she is keen to forge further connections between academics and curators.



Alice Eden, Department of History of Art

Alice's PhD research examined the works of three 'forgotten' British artists in the period 1880-1920 whose paintings attest to the rich and varied experience of modernity. She contributes to current scholarship which seeks to redefine modernity in a more inclusive way. A central concern of the thesis has been to bring women, their increased presence in the public sphere and visual culture in this period, into the frame.

Contemporary women imagined invigorating movements, from the confines of the domestic interior into the airy heights of mountain tops, using languages of righteousness and joyous expectancy. The artworks examined provide visual analogues and commentaries on these feminist possibilities. She is connecting with scholars working across different disciplines on themes including womanhood, representation, spirituality, modernity.



Marcos Estrada, Centre for Interdisciplinary Methodology

Marcos completed his PhD thesis in sociology on migration and transnationalism across Brazil and Paraguay. As part of his PhD, he produced a documentary on the Brazilian returnees from Paraguay currently living in a landless camp in Brazil. He has taught Sociology at the University of Warwick and Aston University, and taught Research Methods and supervised empirical research projects at the University of Northampton. He also delivers a lecture on a yearly basis to students at Ritsumeikan in Japan and Chung-Ang University in South Korea. Previously, he worked as a Research Assistant at the Mobile Welfare in the International Migration Institute (IMI) at the University of Oxford. Marcos' research interests include social theories, identity, social movements, migration and transnationalism.



María Estrada-Fuentes, Department of Theatre and Performance Studies

María's research interests are conflict transformation, peacebuilding, applied theatre, politics and performance. She has worked with government institutions and NGOs implementing theatre, dance and performance practice in the social reintegration of ex-combatants in Colombia.

Her publications include *Affective Labors: Love, Care, Solidarity in the Social Reintegration of Female Ex-combatants in Colombia* (in *Leveraging Justice* a special issue for *Lateral, online journal of the American Cultural Studies Association*. Co-edited with Janelle Reinelt, 2016); *Performing Bogotá: Memories of an Urban Bombing* (in *Performing Cities*, ed. Nicolas Whybrow, 2014); and *Becoming Citizens: Loss and Desire in the Social Reintegration of Ex-combatants in Colombia* (in *Gendered Citizenship: Manifestations and Performance*, eds. Bishnupriya Dutt, Janelle Reinelt and Shrinkhla Sahai, 2017).



Daniel Griffiths, Department of Chemistry & MOAC

Daniel's research focuses on the biosynthesis of bioactive natural products, such as antibiotics and fungicides. The increasing emergence of antibiotic resistant 'superbugs', represents a global healthcare problem. However, the discovery of new antimicrobial agents is in decline. Daniel's PhD thesis explores the genomics-based discovery of novel antibiotic compounds, and protein interactions during their biosynthesis.

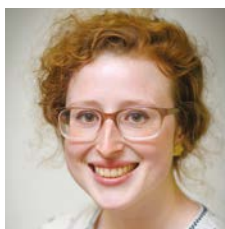
His findings enable the development of new hybrid-bioactive molecules that were previously intractable, to combat the challenge of multidrug resistance pathogens. Prior to his PhD, Daniel completed a Master's in Mathematical Biology and Biophysical Chemistry, and a Master's in Mathematics and Physics at Warwick.



Guillaume Hedir, Department of Chemistry

In July 2016, Guillaume completed a PhD in Chemistry with a thesis entitled *Functional degradable polymers via RAFT/MADIX mediated polymerization of cyclic ketene acetals and vinyl monomers* which was based in the Dove and O'Reilly research groups (Department of Chemistry) and industrially sponsored by BP.

After completion of his PhD, he undertook a three month placement at the International Centre for Business and Technology (ICBT) at BP, Sunbury, working in the enhanced oil recovery (EOR) team where he investigated the effect of polymer degradation under reservoir conditions. During his time as an IAS Early Career Fellow, Guillaume extended the work of his PhD on "smart" degradable polymers whose properties can be altered by temperature changes, and will also assess their biocompatibility and toxicity.



Jennifer Lander, School of Law

Jennifer's research broadly focuses on questions of democratic legitimacy and accountability in the governance of the global economy, particularly in natural resource-based sectors (i.e., mining). She is especially interested in the way that national states and domestic law enable global economic integration, and the internal contradictions that said integration can produce within democratically constituted states.

This research interest is animated by a concern about the potentially anti-democratic effects of economic globalisation in relation to capital-importing, commodity-producing states in the Global South, as well as the way global processes are transforming the terms of local and national conflicts over natural resources. Her PhD research developed an extended case study of Mongolia's integration into the global minerals economy as a process of state transformation and de facto constitutionalism, using a socio-legal methodology.

She provided empirical evidence that natural resource-based development under global conditions produces significant reordering effects on state-society relations. Following on from her PhD research, she is engaging with the political and legal ramifications of new economic regionalism in East and Central Asia.



Waiyee Loh, Department of English and Comparative Literary Studies

Waiyee is a Postdoctoral Associate in the Department of English and Comparative Literary Studies. Her dissertation compared representations of Victorian Britain in British historical fiction and Japanese girls' comics (shōjo manga) (1980 - present) to demonstrate how the flow of goods and ideas from Britain to Japan in the nineteenth century informs the heightened interest in cultural commodity production and export in Britain and Japan today.

Her work has appeared in *Mechademia* and the *Journal of Postcolonial Writing*. She is working on a new project, tentatively titled *East-West Romance: Popular Culture in East Asia and the Formation of Transnational Communities*.



Wen-Dong Victor Quan, Department of Chemistry & MOAC

Victor's postgraduate work, taken as a part of the MOAC DTC, explored the potential of a novel platform for biomimetic solar energy harvesting applications. This body of work now serves as the basis for the endeavour beyond the initial proof-of-concept phase of his grand scheme of world domination. Outside of the academic world, Victor also has a number of other interests, he has completed two unrelated bachelor degrees: music technology and biochemistry, he also taught multiple skills including musical instruments, martial arts and badminton.



Brian O'Shea, Department of Psychology

As a Social Psychologist, Brian critiques existing measures used to estimate unconscious/implicit biases (e.g. prejudice towards other races). He has designed two new implicit measures which he has demonstrated provide useful advantages over the current 'gold standard' implicit tasks.

He also uses big data to explain factors that exacerbate prejudice (e.g. disease rates/segregation) towards stigmatised groups (e.g. immigrants/minorities) both across and within countries/cultures. He completed an International Psychology BA at the National University of Ireland, Galway and the University of Ottawa. He also holds an MSc in Social and Cultural Psychology from the London School of Economics and Political Science. During his PhD at the University of Warwick, he built collaborative links with the world's largest online virtual laboratory, Project Implicit (Harvard University and the University of Florida).



Maria Roca Lizarazu, School of Modern Languages and Cultures

Maria's PhD research analyses representations of the Holocaust and the Second World War by a range of contemporary German and Austrian Jewish writers belonging to the so-called third generation. She examines how these authors relate to the events from the position of the non-witness and in the face of an increasing mediatisation and globalisation of Holocaust memory.

She is also the co-founder and co-organiser of the Warwick Memory Group and works as a research assistant for the GRP Connecting Cultures. She joined Warwick in 2013, after completing a joint B.A. in German Literature and History and an M.A. in Comparative Literature.



Clare Siviter, School of Modern Languages and Cultures

Clare's thesis, entitled *Rewriting History through the Performance of Tragedy, 1799-1815*, used theatre as a lens to analyse how multiple agents - audiences, authors, actors, state officials and Napoleon - employed tragedy to help reconstruct the French nation after the Revolution.

Following on from her PhD, which was principally focused on Paris, Clare's current research investigates theatre in the French provinces and its diffusion across Europe during the Revolutionary and Napoleonic period. Clare took up a postdoctoral fellowship at Université Blaise Pascal, Clermont-Ferrand, France, having completed her Ph.D. in French Studies in Warwick's School of Modern Languages and Cultures, where she also studied for her Bachelor's degree.



Lauren Tooker, Department of Politics and International Studies

Lauren's research focuses on the everyday politics and ethics of finance and combines political economy with social and political theory. Her doctoral thesis examined the new democratic politics of debt resistance after the global financial crisis using the work of the philosopher Stanley Cavell.

Her broader research agenda widens out from the study of lived critiques of finance to examine the possibilities for creating alternative economic futures, including through social finance and digital economies. This latter topic is the subject of a forthcoming article and edited journal section.



Elisabeth Wallmann, School of Modern Languages and Cultures

Elisabeth's research addresses questions of power and the non-human in eighteenth-century France. Her PhD thesis, employing methods from Modern Languages research and the history of science, explored the connections between Enlightenment natural history and theories of government.

It suggests that the way we conceive of animal nature affects not only our image of our own subjectivity, but also the economic organisation of our societies. She joined Warwick in 2011, having completed a BA in French and Italian at the University of Oxford. During her doctoral research, she also spent six months at the Max Planck Institute for the History of Science in Berlin.



Laura Wood, Warwick Medical School

Laura's PhD research at Warwick was undertaken as part of the MRC doctoral training partnership and investigated the process of clathrin-mediated endocytosis. This is a fundamental process by which cells internalise large cargo such as iron and cholesterol across the outer membrane.

She has developed a system of clathrin-mediated endocytosis that can be triggered in single cells at a specified place and time, allowing for much easier study of the molecular details of this process. Prior to starting at Warwick, she completed an undergraduate masters in Pharmacology at the University of Bath.





International Visiting Fellows

The IAS supports Warwick academics to engage with distinguished international researchers, including policy makers, representatives of the arts, business, government and industry. International Visiting Fellows build new and existing collaborations, contribute to the wider activity of the university, and engage with a wide cross-section of the research community.



Professor Mark Levine, Mc Master University, USA

17 October - 11 November 2016,
nominated by Professor Annie Young, Warwick Medical School.

Dr Levine is a medical oncologist who has been in clinical practice and conducting clinical research for the past 35 years. His areas of interest are cancer clinical trials and health services research. In June 2016, he received the Order of Canada which recognizes outstanding achievement, dedication to the community and service to the nation for his research which has changed care. While at Warwick University he pursued research in patterns of practice in locally advanced breast cancer, and treatment of cancer patients with venous thrombosis. For the former he collaborated with oncologists and surgeons in the Warwick/Birmingham region and for the latter with scientists in the Warwick Clinical Trials Unit.



Professor Steven Aschheim, Hebrew University, Israel

30 October - 11 November 2016,
nominated by Dr Christine Achinger and Dr James Hodkinson, School of Modern Languages and Cultures.

Professor Aschheim is a renowned scholar of European Cultural and Intellectual History and German-Jewish and Modern Jewish History. His publications include *At the Edges of Liberalism: Junctions of European, German and Jewish History* (2012); *Beyond the Border: The German-Jewish Legacy Abroad* (2007); *In Times of Crisis: Essays on European Culture, Germans and Jews* (2001); *Scholem, Arendt, Klemperer: Intimate Chronicles in Turbulent Times* (2001); the edited volume *Hannah Arendt in Jerusalem* (2001).



Professor Drucilla Cornell, Rutgers University, USA

7 - 17 November 2016,
nominated by Dr Claire Blencowe, Department of Sociology.

Professor Cornell is Distinguished Professor in Political Science at Rutgers, before which she was Professor of Law at Cardozo and Rutgers-Newark Law Schools. She has been an important interlocutor of Jacques Derrida and before entering academia, she was a union organizer for many years.



Professor Renee Jeffery, Griffith University, Australia

9 – 20 January 2017, Nominated by Dr Juanita Elias, Department of Politics and International Studies.

Professor Jeffery's main research interests lie in the areas of human rights and post-conflict justice in the Asia-Pacific. Her work focuses on the various ways in which states and other actors address past human rights violations, through granting amnesties, instituting reconciliation processes, offering apologies, awarding reparations, building memorials and pursuing criminal prosecutions.

She has conducted research and published articles on transitional and post-conflict justice processes in Nepal, the Philippines, Aceh, Indonesia, the Solomon Islands, Cambodia, East Timor, China and Japan. While at Warwick she worked on an ongoing project on the uptake of human rights accountability norms in Asia.



Professor Ian Hall, Griffith University, Australia

9 – 20 January 2017, Nominated by Dr Juanita Elias, Department of Politics and International Studies.

Professor Hall's research focuses on India's foreign policy, interpretive approaches to the study of politics, and the evolution of thought about international relations. He is currently engaged in an Australian Research Council-funded Discovery project on Indian thinking about international relations after 1964 and a wider project on India's engagement with liberal conceptions of international order in the post-Cold War period.

At Warwick, he worked with collaborators in Politics and International Studies on an initiative exploring Asian state responses to Western norms in international relations and the emergence of new normative agendas in that region.



Dr Shilpa Phadke, Tata Institute of Social Sciences, India

30 January – 12 February 2017, nominated by Dr Sarah Hodges, Department of History.

Dr Phadke's research focuses on gendered public spaces, the relationship of young women with feminism, feminist interventions in schools, and feminist parenting. She has been researching gendered access to public space for the last 15 years focusing largely on South Asia.

She is also deeply engaged in pedagogy and reflections on pedagogic practice. During her time at Warwick she reflected on newer work on the synergies between digital activism and street public protests/interventions, through a planned activity focusing on possibilities for loitering in Warwick with faculty and students organised by Dr Hodges.

Through this intervention she explored to what degree it is possible to combine activism and 'impact' in a university setting. She also recently directed (with two colleagues) a film titled *Under the Open Sky* that looks at girls playing football in relation to gendered public spaces. This film was screened for students during her time in Warwick.



Professor Sven Dupre, University of Utrecht, Netherlands

6 - 10 March 2017, nominated by Professor Anne Gerritsen, Department of History.

Professor Dupre is currently working on two projects. The first project (in collaboration with Residential Fellow Christine Göttler) studies the material possessions of a Portuguese merchant-banker Emmanuel Ximenez in early seventeenth-century Antwerp as a window onto the global connections of this individual and the early modern city.

The second project (*ARTECHNE*, supported by an ERC Consolidator Grant) investigates the long-term history of the concepts and practices of technique in the arts between 1500 and 1950. He used his time at the IAS to engage in a conversation on these projects with the interdisciplinary intellectual community at Warwick. Also, together with Michael Bycroft, he worked on the edited book coming out of a multi-year project, *Gems in the Early Modern World: Materials, Values and Knowledge*.



Professor Juan Luis Vazquez, Universidad Autónoma de Madrid, Spain

1 April - 31 May 2017, nominated by Professor Jose Rodrigo, Mathematics Institute.

Professor Vazquez's research is focused on Differential Equations, especially nonlinear partial differential equations, and their applications to Physics and Engineering. But it also contains substantial results in ODEs and Functional Analysis.

His original interest was nonlinear elliptic equations and his most cited paper (1984) deals with that issue. But the main topics have been diffusion equations and filtration equations in porous media, where he has contributed a very important monograph (2007). For the last decade he has worked mostly in nonlocal diffusion with fractional Laplacian operators. He has also worked on regularity issues like Harnack inequalities.



Mr Moses Mulumba, Centre for Health, Human Rights and Development, Uganda

3 - 25 April 2017, nominated by Dr Sharifah Sekalala, Department of Law.

Mr Mulumba's fellowship at Warwick achieved two major objectives: building his own capacity through exposure to Warwick's experts in the fields of Global Health Law and International Human Rights, and contributing to the research and teaching processes at Warwick drawing from his expertise and activism experience.

During the fellowship, he worked with his nominator to explore opportunities for establishing collaborative research between Warwick and the Centre for Health, Human Rights and Development, drawing from their shared and common interest in Global Health Governance and International Human Rights Law. The fellowship also gave him the opportunity to shape his doctoral research on health governance by drawing from the expertise at Warwick.



Professor Caryn Bern, University of California, USA

5 - 14 May 2017, nominated by Dr Orin Courtenay, School of Life Sciences.

Professor Bern is a medical epidemiologist whose current areas of interest include transmission dynamics and control of visceral leishmaniasis and Chagas disease, conditions ranking among the most important tropical diseases in mortality and morbidity. Nevertheless, gaps in current knowledge hinder control and elimination efforts.

For both diseases, an interdisciplinary approach, combining biology, medicine, mathematics and social sciences, can help to develop strategies for better control. During her stay at Warwick, she worked with faculty, student and post-doctoral collaborators in the Zeeman Institute and Neglected Tropical Disease Modelling Consortium, Life Sciences, and the Centre for Complexity Science, Mathematics on projects related to both diseases.

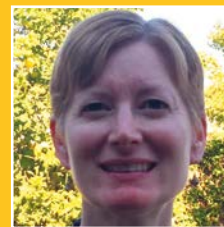


Professor Andrew Zimmerman, the George Washington University, USA and Professor Johanna Bockman, George Mason University, USA
6 - 13 May 2017, nominated by Professor Gurminder Bhambra, Department of Sociology.

Andrew Zimmerman worked on a number of projects related to his interest in empire, labour, global capitalism, and social theory. He discussed the work of the sociologist Max Weber in the context of German and global imperialism. The Atlantic cotton economy and issues of race, labour, and social science, formed another area of focus. Also, he continued working on his global history of the US Civil War as a transnational rebellion against slave labour and wage labour.

Professor Bockman works in economic sociology, urban sociology, sociology of globalization, and East European Studies. Her book *Markets in the Name of Socialism: The Left-Wing Origins of Neoliberalism* was published by Stanford University Press. In her research, Bockman uses comparative and historical methods, moving beyond studies of nation states to explorations of transnational trends, such as neoliberalism and the non-aligned movement.

While at Warwick Professors Zimmerman and Bockman spoke at several masterclasses and convened the symposium *Africa and Europe* alongside their nominator Professor Bhambra.



Dr Julie Schmittiel, Kaiser Permanente Northern California Division of Research, USA

15 - 24 May 2017, nominated by Professor Roberta Bivins, Department of History.

Dr Schmittiel is a research scientist at the Kaiser Permanente Northern California Division of Research. She holds a bachelor's degree in Mathematics from MIT, and an MA in Biostatistics and a PhD in Health Services and Policy Analysis from UC Berkeley.

Dr Schmittiel's career focuses on stakeholder engagement and translational research in diabetes and cardiovascular disease, focusing particularly on improving medication adherence and cardiovascular disease risk factor control in diabetes patients. Principal or co-investigator on 20+ delivery science and health policy research studies, she has published more than 100 papers in peer-reviewed journals. Dr Schmittiel serves as the Director of the National Institutes of Health-funded Health Delivery Systems Center for Diabetes Translational Research, and is the Associate Director of the Kaiser Permanente Delivery Science Fellowship Program.



**Dr Heide Fasnacht and Dr Jenny Perlin,
NY Albert and Vera List Academic
Center, USA**

*17 - 24 May 2017, nominated by
Dr Charlotte Heath-Kelly, Department
of Politics & International Studies.*

Since her first one-person show at P.S. 1 in 1979, artist Dr Fasnacht has exhibited her work worldwide, including at MoMA, The Aldrich Museum for Contemporary Art, RAM Galerie, Rotterdam and Galeria Trama in Barcelona, and is in many permanent collections. Dr Fasnacht is also the recipient of numerous awards, including The Guggenheim Fellowship, several National Endowment for the Arts, New York Foundation for the Arts, The Gottlieb Foundation Grant, and two Pollock-Krasner Foundation Fellowships. She has most recently exhibited large scale works at Preview Berlin, Qbox Gallery and Art Athina in Athens Greece, Kent Gallery, Socrates Sculpture Park, Smack Mellon, and the American Academy of Arts & Letters in NYC.

Dr Perlin makes films, videos, installations, and drawings. Her projects draw on interdisciplinary research interests in history, cultural studies, literature and linguistics. Her films incorporate innovative techniques to investigate history as it relates to the present. Dr Perlin's work is in public collections including MoMA, Seattle Art Museum, the Five Colleges, MA, the School of the Art Institute of Chicago and numerous private collections. Galleries Annet Gelink and M+R Fricke represent her work in Amsterdam and Berlin. She is currently teaching at the University of Pennsylvania, the Cooper Union, and The New School in New York.



**Professor Susanna Burghartz,
University of Basel, Switzerland**

*19 - 26 May 2017, nominated
by: Professor Maxine Berg,
Department of History.*

Professor Burghartz is a leading European historian of matrimony, sexuality and the Reformation. She has engaged recently with the debate on the veil in Europe, and published an article on the Veil in Early Modern Europe in History Workshop Journal. She is now working on connected histories of places, processes and objects in Europe and beyond.



**Professor Eduardo Mario Mendiolo,
University of Sao Paulo, Brazil**

*2 - 12 July 2017, nominated by Dr Joao Porto de
Albuquerque, Centre for Interdisciplinary Methodologies.*

Dr Mendiolo is an Argentine water resources engineer engaged in international water security practice and research in the past 25 years. Some areas of interest are socio-hydrological security for resilient communities. In 2016, he received the Sao Paulo State Medal for outstanding civil service during his R&D Chair iolo at the National Centre of Monitoring & Alerts of Disasters in Brazil. While at Warwick he shared lessons learnt from funding interdisciplinary initiatives on: Water-Adaptive Design & Innovation (WADI) for smart/sustainable cities, solutions of Human-in-the-Loop for water risk reduction, and Sustainable Cities and Humanitarian Engineering, with students, faculty and researchers and with experts of the British Geological Service, the Environmental Protection Agency and NGOs.



**Professor Chung-Yee Lee, Hong Kong
University of Science and Technology**

*28 May - 10 June 2017, Nominated
by Professor Bo Chen, Warwick
Business School.*

Professor Lee has an extensive expertise both in academia and in engaging business. He also has an outstanding record of attracting research funding from both funding agencies and industries. Professor Lee visited Warwick to conduct research exchanges with his nominators, explore opportunities for extended research collaborations, including a joint application for business co-sponsored research project, and participated in various activities of the interdisciplinary cross-departmental Centre for Discrete Mathematics and its Applications.

Residential Fellows

In recognition of the extensive global research partnerships fostered by Warwick academics, the IAS Residential Fellowships programme offers the opportunity to bring collaborators to Warwick for a short, intensive stay specifically to deliver joint outputs. The scheme aims to facilitate the delivery of collaborative research activity by providing the opportunity for external partners to be based at Warwick to work on a shared deliverable at the same time as supporting the continuation of the partnership.



Professor Dennis Nickson, University of Strathclyde, UK
12 - 19 September 2016, nominated by Professor Christopher Warhurst, Institute for Employment Research.

Professor Nickson's primary research interests centre on work and employment issues in interactive service work, with a particular concentration on the retail and hospitality industries. He has extensively researched labour market, skills and employability and human resource issues in entry-level work in these industries.

He is one of the team, along with Professor Chris Warhurst and the late Professor Anne Witz, who developed the concept of aesthetic labour. While at Warwick, he and his nominator worked on a jointly-authored book based on their research on aesthetic labour for Sage, eligible for submission to REF 2021.



Dr Kylie Gray, Monash University, Australia
13 September - 8 October 2016, Nominated by Professor Richard Hastings, Centre for Educational Development.

Associate Professor Gray has an extensive expertise in the area of developmental disorders and disability in children and young people. This has included addressing issues around diagnosis and assessment, development of assessment tools, mental health and psychosocial wellbeing of children and their parents, and the development and evaluation of treatments.

She has published research in, for example, the *Journal of Autism and Developmental Disorders* and *Journal of the American Medical Association*.



Dr Stanislav Soskin, National Academy of Sciences of Ukraine
1 November - 1 December 2016, nominated by Dr Igor Khovanov, School of Engineering.

Following a successful fellowship with the IAS in the 2015-16 academic year, Dr Soskin visited Warwick again in 2016-17 to continue his long standing collaboration activities with Professor Khovanov.

You can read more about Dr Soskin's research in his article in the 2017 IAS Annual Report.



Dr Alessandro Belmonte, IMT School for Advanced Studies, Italy
3 - 21 October 2016, Nominated by Dr Vincenzo Bove, Department of Politics and International Studies.

Dr Belmonte is an Assistant Professor of Economics at IMT Alti Studi Lucca. He obtained a PhD in Economics from IMT Alti Studi Lucca in 2014 and an MSc in Economics from the University of Modena and Reggio Emilia in 2010. His recent activities include teaching and research appointments at the Invalsi Research Institute (2014/2015) and at Rome's City Hall (2015). His main research interest is political economy and public economics, with a special focus on the interaction between formal and informal institutions, such as norms, attitudes, and beliefs, from both an analytic and empirical perspective. He is also interested in educational economics and in the frictions that generate inequalities among Italian students.



Professor Nicholas Hall, Fisher College of Business, USA

26 September - 6 October 2016, Nominated by Professor Bo Chen, Warwick Business School.

Nicholas Hall is Professor of Management Sciences and Integrated Systems Engineering at The Ohio State University. He holds a Ph.D. (Management Science, University of California, Berkeley, 1986), and B.A., M.A. (Economics, University of Cambridge). His research and teaching interests include project management, scheduling, and pricing.

He has published 82 articles in Operations Research, Management Science, Mathematics of *Operations Research, Mathematical Programming, Games and Economic Behaviour, Interfaces*, and other journals. He has served as Associate Editor of Operations Research (1991-) and Management Science (1993-2008). He is the owner of a consulting business, CDOR, which provides solutions to project companies, and advises New York law firms on intellectual property issues. He was a candidate for President in the 2016 INFORMS election.



Dr Nicodemo Di Pasquale, University of Manchester, UK

24 - 31 January 2017, nominated by: Dr Thomas Hudson, Mathematics Institute.

Dr Di Pasquale is a postdoctoral researcher in the quantum chemical topology group at the University of Manchester. During his time at Warwick, Dr Di Pasquale gave an internal seminar to discuss his previous work, conducted extensive discussions with current and potential collaborators and planned a strategy for the validation of his research in molecular dynamics.

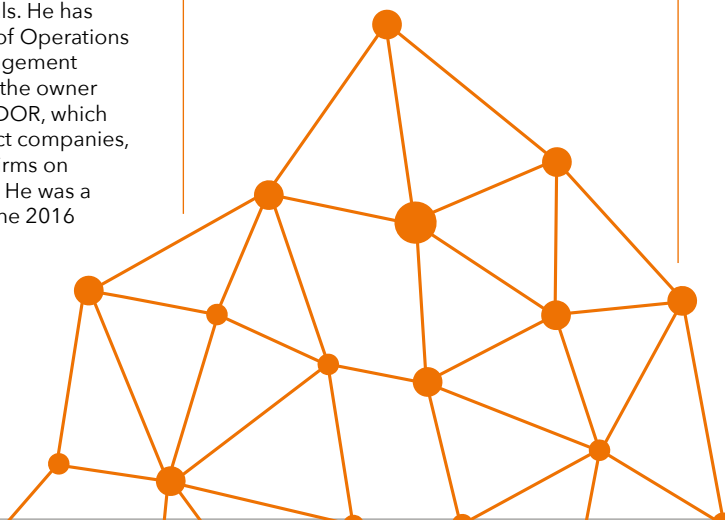


Professor Wil Pansters, Utrecht University, Netherlands

1 February - 12 April 2017 and 12 - 26 June 2017, nominated by Dr Benjamin Smith, School of Comparative American Studies.

Professor Pansters is head of the Department of Social Sciences at University College Utrecht and Professor at the Department of Cultural Anthropology at Utrecht University. He is also Professor of Latin American Studies at the University of Groningen and director of the Centro de Estudios Mexicanos in Groningen. He has been a research fellow at El Colegio de México, and the University of Oxford amongst others. In 2012, he occupied the Friedrich Katz Chair at the Universidad Autónoma de Ciudad Juárez.

Over the years, he has done ethnographic and historical field research in Mexico. He has published on political culture, regional history, democratisation and social change. Currently he focuses on the meanings of (drugs related) violence in politics and society, and on the search of people for justice in environments of insecurity. His most recent book is *Violence, Coercion and State-Making in Twentieth-Century Mexico. The Other Half of the Centaur* (Stanford: Stanford University Press, 2012). In 2011 he received the Orden del Águila Azteca from the Mexican government.





Professor Daniele Marchisio, Politecnico di Torino, Italy
12 - 19 February 2017,
nominated by Dr Matteo Icardi,
Mathematics Institute.

Professor Marchisio graduated in Chemical Engineering in 1997 from Politecnico di Torino (Italy) and obtained his PhD from the same institution in 2001 (with a stay at Iowa State University as visiting scholar). After a postdoctoral position at Iowa State University (2001-2003) and a short permanence as visiting guest at ETH Zurich (2004), he became assistant professor at Politecnico di Torino (2004), where he was then promoted to associate (2010) and full professor (2016).

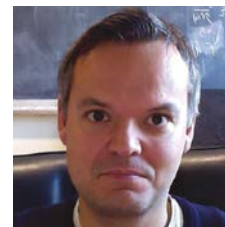
He has also been visiting professor at ULC (summers of 2007 and 2008), visiting scientist at CSIRO (2013) and has been appointed adjunct visiting professor at the Beijing University of Chemical Technology (2016). He has co-authored a book on computational models for multiphase flows (*Cambridge University Press*) and more than 100 papers published in international journals.



Professor Christine Goettler, Bern University, Switzerland
6 - 10 March 2017, nominated
by Professor Anne Gerritsen,
Department of History.

Prof. Dr. Göttler is Professor of Art History at the University of Bern. Before joining the University of Bern in 2009, she was Professor of Art History at the University of Washington at Seattle (1998-2009). She obtained a PhD in art history from the University of Zurich and the Harburg Institute in London.

Her main research interests are collecting practices, collection spaces, and the interplay between the various arts in early modern Europe-especially the Netherlands-and the visual and spatial imagery of interiority and the imagination. During her fellowship, Professor Goettler continued the collaboration between International Visiting Fellow Professor Sven Dupre and Gerritsen on the book project *Reading the Inventory* and contributed to a new strand of research *Technology, Science and Environment in a Global Perspective*.

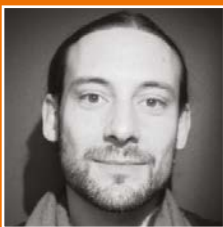


Professor Jean-Michel Marin, Université de Montpellier, France
6 - 10 March 2017, nominated
by Professor Christian Robert,
Department of Statistics.

Professor Marin is a researcher in the field of Statistics. He began his career with a PhD thesis on the optimality properties of some small sample sizes estimates. For the past 15 years, he has focused on two main areas: Bayesian statistics and computational statistics.

In the past 10 years, his main application field has been population genetics. He has written two books and 57 papers. These works contain some important contributions on Bayesian inference, and some of them have impacted other scientific fields. He participated in the production of the DIYABC software, a reference software for population genetics analysis. Typically using DIYABC it is possible to infer population history using microsatellite, DNA sequence and SNP data. He is the head of the Alexander Grothendieck Montpellier Institute which hosts over 150 researchers.





Dr Sylvian Schmitz, University of Paris-Saclay, France

20 - 24 March 2017, nominated by Dr Ranko Lazic, Department of Computer Science.

Dr Schmitz (PhD University of Nice - Sophia Antipolis 2007) is an Assistant Professor at ENS Paris-Saclay and a permanent member of LSV, one of the top European research centres in logical aspects of computer science. In 2015, Schmitz was a Leverhulme Visiting Professor at Warwick.

An author of over 40 articles in international journals and conferences, Schmitz's work has attracted over 500 citations, won best-paper awards, and been presented at several invited talks and European doctoral schools.



Dr Kaveh Yazdani, University of Witwatersrand, South Africa

4 - 14 May 2017, nominated by Professor Anne Gerritsen, Department of History.

Dr Yazdani received his PhD degree in social sciences (Sozialwissenschaften) at the University of Osnabrück in 2014. His scholarly interests include the 'Great Divergence' debate and the history of South and West Asia between the 17th and 20th centuries.

Most recently, he was granted the Prince Dr. Sabbar Farman-Farmaian fellowship at the International Institute of Social History in Amsterdam where he works on the socio-economic impact of India's Parsis on Persia's Zoroastrians (1853-1925) under the supervision of Touraj Atabaki.



Maëline Le Lay, Centre National de la Recherche Scientifique, France

6 - 11 May 2017, nominated by Professor Pierre-Philippe Fraiture, School of Modern Language and Cultures.

Maëline Le Lay is a research fellow at the French National Centre for Scientific Research in Bordeaux. Her research focuses on theatre, performing arts and literature in the Democratic Republic of the Congo and the African Great Lakes Region. She has published *La Parole construit le pays, Théâtre, langues et didactisme au Katanga (RDC)*, (Paris, Honoré Champion, 2014) and, together with Dominique Malaquais and Nadine Siegert, she co-edited *Archive (re) mix. Vues d'Afrique* (2015), a collective transdisciplinary book. She is the Review editor of the peer-reviewed journal *Etudes Littéraires Africaines*.



Professor Mykhaylo Zarichnyy, Lviv University and University of Rzewzow, Ukraine and Poland
8 - 13 May 2017, nominated by Dr Roman Kozhan, Warwick Business School.

Professor Zarichnyy graduated in Mathematics in 1979 from the Ivan Franko National University of Lviv (Ukraine) and obtained his PhD from the Moscow University in 1983. He is the author of more than 110 papers and three monographs. In 2004-2016 he served as the dean of the Faculty of Mathematics and Mechanics at the Ivan Franko National University of Lviv.

Professor Zarichnyy is a researcher in the field of topology and its applications, in particular, to game theory and mathematical economics. In a joint publication with Dr Roman Kozhan, he introduced and investigated a special class of games in capacities. Some of his results concern topology of spaces of (non-additive) measures, the asymptotic dimension theory, and topology of infinite-dimensional manifolds.



Professor Miki Sugiura, Hosei University, Japan
16 - 20 May 2017, nominated by Professor Anne Gerritsen, Department of History.

Professor Sugiura is one of the leading scholars in the field of global history in Japan. An expert in the history of slavery and South African history, she has published widely on the role of gender in global and comparative text. Professor Sugiura visited Warwick in order to complete a Leverhulme Visiting Fellowship application in collaboration with Warwick's Global History and Culture centre.



Dr Erin Connelly, Schoenberg University of Pennsylvania, USA

5 - 15 June 2017, nominated by Dr Freya Harrison, School of Life Sciences.

Dr Connelly is the CLIR-Mellon Fellow for Data Curation in Medieval Studies in the Schoenberg Institute for Manuscript Studies in the Kislak Center for Special Collections, Rare Books and Manuscripts. She holds a PhD in Medieval English from the University of Nottingham with a special interest in medieval medical texts and the relevance of medieval medicine for modern infections (Ancientbiotics). Her doctoral project was the first edition of the 15th-century Middle English translation of Bernard of Gordon's *Lilium medicinae*.



Mr Mariano Tomatis, Wonder Injector, Italy
(www.marianotomatis.it/en)
19 - 23 April 2017, nominated by Dr Fabio Camiletti, School of Modern Languages & Cultures.

Mariano Tomatis' lecture-show brings back to life the scientists and magicians of the 18th century through their objects, their stories, and their tricks, focusing on the way their shadow still haunts contemporary ideas. *Mesmerized!* re-stages an authentic 18th-century demonstration in amusing physics, intertwined with an analysis of the rhetorical and mechanical techniques "behind the curtains". Among talking skulls and magic lanterns, X-ray glasses and rising cards, the audience takes part in a learned and amazing journey into the dark side of Enlightenment.



Professor Benjamin Schweizer, TU Dortmund, Germany
19 June - 21 July 2017, nominated by Dr Florian Theil, Mathematics Institute.

Professor Schweizer's research focuses on partial differential equations and singular limits, specifically applied to porous media, plasticity, free boundary problems and fluid mechanics. He visited Warwick in order to collaborate with Dr Theil on the topic of mathematical homogenisation with high contrast. This project investigates mathematical derivation of simple models that can be used to predict the performance of batteries and involves industrial partner Jaguar-Land Rover, which is currently developing electric vehicles.



Dr Audrey Msimanga, University of Witwatersrand, South Africa
14 - 19 August 2017, nominated by Dr Sue Johnston-Wilder, Centre for Education Studies.

Dr Audrey Msimanga is Senior Lecturer of science education in the School of Education at the University of the Witwatersrand, Johannesburg, South Africa. Her interest is in the teaching and learning of science in contexts of teacher and student diversity as well as in constrained learning environments. The diversity of contexts includes under preparation for the level, language, literacies, alternative worldviews, understandings of the nature of science and the development of reasoning.

She is a holder of several research grants, one of which is a collaborative research project on the role of learners' home language in science teaching and learning which includes researchers from five countries: South Africa, Rwanda, India, the UK and Brazil.

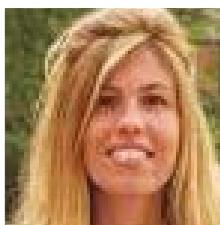


**Professor Jennifer Holmes,
Whittier College, USA**

*3 - 13 July 2017, nominated
by Professor Michael Hulse,
Department of English &
Comparative Literary Studies.*

Professor Holmes has directed more than 70 productions and projects, and led numerous workshops, in Los Angeles, Chicago and Milwaukee in the US; Barranquilla, Colombia; and Smolyan, Bulgaria. Her background includes a PhD in Performance Studies from Northwestern University, a Masters in Theatre from Northwestern University, and an undergraduate degree from SUNY Purchase, where she majored in Painting and Sculpting and minored in Dance and Art History.

Jennifer also studied acting for three years in New York City, and Shakespeare at the British American Drama Academy, and was an artist in residence at the Leon Katz Rodolphi International Theatre Laboratory. She serves on the Board for the Kennedy Center American Theatre Festival, and is a member of the Stage Directors and Choreographers Society. Jennifer is a Professor and Chair of the Department of Theatre and Communication Arts at Whittier College (in Southern California) where she directs and teaches (among other things) Directing, Performing Non-Fiction, and World Theatre.



**Dr Maria Mut Bosque, University of
Catalunya, Spain**

*16 June - 5 July 2017, nominated
by Dr Christopher Browning,
Department of Politics and
International Studies.*

Dr Bosque is Lecturer in International and European Law at the Universitat Internacional de Catalunya (Barcelona) and Deputy Dean of postgraduate studies and international relations of the Faculty of Law. In 2009 she was granted with a predoctoral scholarship and obtained a Doctor of Law degree from the Universitat Internacional de Catalunya, within the framework of the European PhD Programme. Since 2009 she has been Research Fellow of the Institute of Commonwealth Studies of the University of London.

Her research interests are International Organisations, particularly the Commonwealth and the European Union, and the role of the UK in both organisations. Moreover, she has a long running interest in international subjectivity and how different territories can obtain it. In this sense, her work is focused on overseas territories and crown dependencies, particularly in Gibraltar. Her research stay at the Political and International Studies Department of the University of Warwick gave her the chance to deepen the study of the new post-Brexit International scenario for the United Kingdom and its overseas territories.



**Dr Nathan DeYonker, University of
Memphis, USA**

*4 - 17 June 2017, nominated by
Dr Scott Habershon, Department
of Chemistry.*

Dr DeYonker received his B.Sc. in Chemistry with a minor in Astrophysics from the University of Michigan-Ann Arbor in 2001. His PhD studies in computational and theoretical chemistry were completed in 2005 at the University of Georgia, under the direction of Professor Henry F. Schaefer III.

He then worked as a postdoctoral associate under the joint direction of Professors Angela K. Wilson and Thomas R. Cundari at the University of North Texas. After a long stint as a staff research scientist at the University of Memphis, he was re-hired there as a tenure-track Assistant Professor in Fall 2016. His research interests are broad, but primarily focus on electronic structure theory.

Current research thrusts in his lab involve modelling the gas phase spectroscopy of inorganic astrochemicals, and improving visualization, reproducibility, and workflow in mechanistic studies of enzymes and inorganic/organometallic catalysis.



IAS Funding & Projects

New Ideas Development Awards support scoping activities and expedite new collaborative research initiatives. **Grants and Fellowships Development Awards** support the development of external funding applications by bringing collaborators together. **Research Impact Development Awards** support new activities which take research to a wider audience and deliver additional research outputs.

New Ideas Development Awards

▶ Academic Mobilities and Immobilities Network (AMIN)

Awarded £1500 to Dr Emily Henderson (Centre for Education studies), Heike Behle (Institute for Employment Research) and Dr Stephanie Schnurr (Centre for Applied Linguistics).

AMIN was founded at the end of 2015-16 with a scoping meeting award from IAS. The network, which then received an IAS Developing Ideas award, has flourished over the course of 2016-17 with a strong programme of events. The network founders since applied for funding from both the IAS and the Faculty of Social Sciences for 2017-18. The network convening group is based across four departments: the Centre for Education Studies, the Centre of Applied Linguistics, the Department of Politics & International Studies and the Institute for Employment Research, and is as such genuinely interdisciplinary and a venue for cross-departmental working. In 2017-18, the network will develop the involvement of doctoral students and professional services in the network.

▶ Researching New Technology for Learning Network

Awarded £500 to Michael Hammond (Centre for Education Studies) and Mike Joy (Computer Science).

This network enabled colleagues to share ideas and practice; construct more rounded applications; address gaps in expertise and gain economies of scale. No less important it enabled research students to be part of a more vibrant research community. Networking enables a deeper understanding and a triangulation of experiences leading to opportunities for cross disciplinary and interdisciplinary working.

▶ Warwick Neuroscience Network

Awarded £500 to Dr Magnus Richardson (Systems Biology Centre), Professor Thomas Nichols (Warwick Manufacturing Group) and Dr Yulia Timofeeva (Department of Computer Science), continued from 2015-16.

▶ Poverty Research Network

Awarded £500 to Professor Anne Gerritsen and Julie McClure (Department of History), continued from 2015-16.



▶ **Warwick Biological Microfluidics Network (WBMi)**

Awarded £1500 to Dr Marco Polin and Vasily Kantsler (Department of Physics) and Meera Unnikrishnan (Warwick Medical School).

Microfluidics is an established technology that combines the ability to do high-magnification microscopy with the possibility to design precise microenvironments, whose physicochemical properties can be dynamically controlled with high spatial and temporal precision. Currently, a few companies commercialise microfluidic devices for Life Sciences and Medical research. Commercially available solutions, however, are expensive, rarely fit exactly what researchers really require, and do not afford the flexibility of rapid prototyping which is offered by in-house solutions. Collaborators at Warwick are now at a level where there is a clear need to give a formal structure and scope to the dialogue between physicists, biologists and clinicians regarding the potential applications of microfluidics in life sciences here at Warwick, with a view to foster novel ideas and solutions leading to funding applications. The WBMi network is the first step in this direction.

▶ **Minimise sleep and circadian rhythm disturbances in oncologic patients network**

Awarded £1500 to Dr Leandro Pecchia (School of Engineering), Dr Pasquale Innominato (Warwick Medical School) and Dr Sebastiano Massaro (Warwick Business School).

Cancer therapies have significant side effects. Notably they are likely to alter circadian rhythms and sleep cycles, heavily disrupting an already precarious quality of life. Moreover, recent research has shown that patients with major alterations in circadian and sleep cycles are significantly less likely to survive cancer treatment. Yet, by integrating oncological therapy with behavioural interventions there is the potential

to correct these alterations. Currently, there are no targeted approaches to measure accurately how cancer therapy alters circadian and sleep cycles in individual patients over time. Consequently, it is challenging to optimise therapies as well as design new interventions to minimise such effect. This project aims to seed and converge future researches that will help oncologists to optimise cancer therapy by developing methods and tools able to quantify alterations in internal clock and sleep cycles so that, ultimately, it will be possible to: minimise disruptions to internal clock and sleep cycles caused by cancer therapy; identify optimal daily time windows during which patients' responses to cancer therapy are maximised while side effects minimised.

Significant and world-leading knowledge and expertise is available in Warwick to tackle this compelling problem on the following key areas: circadian rhythms in cancer, actigraphy in oncologic patients, sleep medicine applied to non-communicable diseases, home monitoring, wearable sensing, signal processing and machine learning, behavioural sciences. However, this expertise has thus far not been combined in order to develop tools and methods aiming to optimise treatments in non-communicable diseases. This network offered the first opportunity for these investigators and the wider Warwick community to explore and collaborate toward innovative multidisciplinary solutions. The network generated new collaborations, and the scoping of substantial grant proposals.

▶ **Speculative meeting to develop a research strategy to identify and evaluate tools for valuing the benefits from interventions aimed at supporting parents of neonates**

Awarded to Dr Jason Madan (Warwick Manufacturing Group), Dr Fiona MacCullum and Professor Sarah Stewart-Brown (Department of Psychology).

► **Speculative Meeting 'Materials for Manufacturing and Energy'**

Awarded to Dr Emma Kendrick (Warwick Manufacturing Group) and Dr Gemma-Louise Davies (Department of Chemistry).

► **Speculative Meeting 'The Ends of the World: Visualising the Anthropocene'**

Awarded to Dr Tiago de Luca (Department of Film and TV), Dr Madeleine Fagan (PAIS) and Dr Nerea Calvillo (Centre for Interdisciplinary Methodologies).



Grants and Fellowships Development Awards

► **Work-life balance during turbulent times**

Awarded £1300 to Dr Claire Lyonette (Institute of Employment Research).

► **Promoting Youth Resilience and Mental Wellbeing in Disadvantaged Groups: the PYRAMID Project**

Awarded £1342 to Professor Swaran Singh and Professor M Birchwood (Warwick Medical School).

► **Improving clinical practice and diagnosis: validation of chip based Silicon Photonics biosensors for detection of EN2 prostate cancer biomarker**

Awarded £2000 to Dr Valentina Donzella (Warwick Manufacturing Group).

► **Mentoring Universities in Gender Equality**

Awarded £3400 to Professor Marianna Fotaki (Warwick Business School) and Dr Tzanakou (Department of Politics & International Studies).

► **SWISH (Sanitation and Water Interventions in Slub Habitats)**

Awarded £3500 to Professor Richard Lilford, Professor Frances Griffiths and Professor Matt Keeling (Warwick Medical School).

Research Impact Development Awards

► Rethinking EU Equality Law: Towards a More Coherent and Sustainable Regime

Awarding £3500 to Dr Ania Zbyszewska (School of Law) and Dr Sara Benedi-Lahuerta (University of Southampton).

This event was the second in a series of two seminars, the first being held in London and funded by an ESRC IAA award, that sought to engage key policy actors and academics in a discussion on policy proposals based on the awardees prior research collaboration, a British Academy funded project entitled *Future Directions of EU Labour Law*. The event was held in Brussels and is being followed up by the publication and dissemination of policy papers drafted by all those involved.

► Expanding the Curriculum: Studying Joan Littlewood in Secondary Schools and Further Education Colleges

Awarded £1870 to Professor Nadine Holdsworth (Department of Theatre & Performance Studies).

This project developed and undertook a series of workshops in schools and further education colleges to increase public engagement with research on Joan Littlewood; to explore the potential impact on the theatre studies curriculum and GCSE and A Level; and developed a popular digital education pack for teachers in collaboration with the organiser of website *Essential Drama*.

► Our Stories, Our Worlds: Investigating 'Hope' and 'Care' and 'Civic Engagement' with The Belgrade's Canley Youth Theatre

Awarded £3300 to Dr Rachel King (Centre for Education Studies).

This project aimed to disseminate the findings of a recent collaboration between the Centre for Education Studies and the Coventry Youth Centre wider audience groups including students, academics, local schools and community groups and policy makers. This was achieved by hosting three performance events in two prestigious theatre sites in March 2017 and producing a booklet to be sent to regional and national youth services, arts and cultural organisations, funders and charities.

► The I-Watch DVD: Improving the Wellbeing of people with Opioid Treated Chronic Pain

Awarded £3400 to Dr Harbinder Sandhu, Dr Alison Hipwell and Professor Martin Underwood (Warwick medical School).

This project developed a 15-minute patient information/education DVD as part of a new study to help people using strong opioid drugs for chronic, non-malignant pain, to self-manage their pain and reduce opioid use. This formed part of the *Warwick living better with...* DVD collection. Initially this was used in the context of a clinical trial and upon completion will be made publicly available.

► Enchanted Community: A Collaborative Community Art Project

Awarded £1320 to Professor Michael Hatt and Dr Alice Eden (Department of History of Art).

The Enchanted Community project aimed to provide new ways for the public to engage with academia and new ways of thinking about art and everyday life in the context of local area and communities. The project comprised a talk, three public workshops, two schools outreach sessions and a collaborative artwork exhibition in Coventry.

► **Staging prisoner-of-war theatre: An historically-informed and research-driven performance of a 3-act melodrama written and performed by French prisoners of war at Portchester castle in 1810**

Awarded £3500 to Dr Katherine Astbury (School of Modern Languages & Cultures).

In July 2017, a 3-act melodrama, written by French prisoners of war at Portchester Castle in 1810, was performed as a launch event for English Heritage's new interpretation of the keep. The event was covered by South Today and videoed by English Heritage. An all-male cast of eight and a small orchestra performed in the original location - the keep of the castle, an extremely unusual 18th-century theatre space due to the dimensions and acoustics of the building, which haven't changed since the premiere.

► **Care, Work and Property: how is care valued?**

Awarded £2800 to Professor Ann Stewart (School of Law).

This two-day workshop was held at the British Institute in Eastern Africa, Nairobi. The aim of the event was to share research findings with academics, policy makers and civil society advocates in Kenya and East Africa, build cross-sector partnerships and co-design briefing documents related to care for African older people.

► **Dissemination of the findings of parenting programme research to parenting programme service providers**

Awarded £3000 to Professor Geoff Lindsay and Dr Gemma Gray (Centre for Educational Development, Appraisal and Research).

This public engagement event was held with parenting programme providers, commissioners, and service leads, to disseminate the key findings of research into the effectiveness of targeted and universal parent programmes, and to engage in discussion about future research directions at Local Authorities.

► **Towards the development of a multi-stakeholder, international Core Outcome Set for Headache research: the COSH-initiative**

Awarded £3500 to Dr Kirstie Haywood, Professor Martin Underwood, Dr Rob Fround and Dr Rachel Potter (Warwick Medical School).

Guidance for outcome reporting in headache research is limited and substantial heterogeneity in reporting is witnessed, limiting the conduct of systematic reviews and evidence synthesis. This project developed a recommendation for the minimum number of standardised outcomes to include in future research for headache through active engagement of patients as both research partners and participants in this process.





Vacation Schools

► Geography, Institutions and Economic Growth in History

Awarded £8000 to Professor Nick Crafts (Centre for Competitive Advantage in the Global Economy), Professor Steve Broadberry (Oxford University) and Dr A Klein (Kent University). 26 participants.

This summer school, with the theme 'Geography, Institutions and Economic Growth in History' was an interdisciplinary training event focussing on early career researchers and postgraduate students. The summer school provided unique training in economic history from international experts and an unprecedented opportunity to learn and apply new techniques of economic geography, the economics of institution and economic growth in economic history research. The school trained participants in both empirical and theoretical techniques to evaluate geography and institutions as competing explanations of growth performance over the last millennium.

► Competitive Advantage in the Digital Economy (CADE): Smart Service Systems, Digital Innovation, Trust and Privacy

Awarded £11,917 Professor Irene Ng, Philip Davies and Maxwell Green (Warwick Manufacturing Group). 30 participants.

In many ways, CADE 2017 has been a perfect example of the merging discourses of engineers and management scholars in research on the digital economy. Numerous presentations – both in parallel sessions and in the plenary – have made clear how much technical solution design functions as an enabler of economic development, and how specific algorithms (e.g. encryption) and architectures (e.g. personal data spheres) create operational structures on which new business opportunities can grow. At the same time, presentations and discussions at CADE 2017 have made clear that technical design needs strategic reflection to identify the best paths towards

The IAS supports the delivery of research-orientated residential workshops geared towards both Warwick-based and external (national & International) early career researchers.

The training provided in these vacation schools is focused on specific research questions, methodologies and themes, ranging beyond a single discipline or department. They are designed to enable attendees to gain new understanding of emerging fields of scholarly analysis in dialogue with a team of more senior researchers - including both Warwick staff and external academics and experts.

a flourishing future economy in which the customers remain mature and autonomous as actors and beneficiaries of the services provided to them.

While the theoretical constructs to discuss the digital transformation are manifold, service systems have played an outstanding role at CADE 2017. This is, of course, on the one hand due to the research background of the organisers. On the other hand, however, service systems actually seem to provide exactly the concept that is necessary to combine the technical and the managerial perspective in the discussion of the digital economy, as it can be used in both worlds at the same time and allows an integration of the different models generated there. This became particularly apparent in various keynotes at CADE 2017 and the discussion of the HAT (Hub of all Things). Still, the potential of the service systems approach to give account of competitive advantage in the digital economy seems far from being exhausted. One might even say that it has only been rather superficially applied until now for descriptive purposes, and that there is a lot of open space left for deeper analysis, classification, evaluation and strategic planning within the digital economy based on the service systems concept.

In this sense, CADE can be considered not only as a forum to collect and compare insights about the digital economy, but also a meeting where

researchers convene to shape new perspectives on this hugely important topic and align their thoughts in order to make further progress in the future. The CADE Forum has just the right size to allow a direct exchange between all participants, in a location which attracts researchers from different countries who can add a broad spectrum of cultural perspectives to enrich the discussion. It thus fills an important gap in the wide landscape of conferences and workshops on service systems and the digital economy – as a breeding ground for new ideas and personal connections across disciplines and research communities. Next year's conference will surely draw on the momentum gained by CADE 2017, expand the network and inspire new discussions.

► Principles and Practice of Data Analysis for Reproducible Research in R

Awarded £6585 Professor David Firth (Department of Statistics) and Dr Greg McInerny (Centre for Interdisciplinary Methodologies). 58 participants.

The schedule for this Vacation School began with a half-day rapid introduction to R for those with little or no prior experience. The programme included six computer-laboratory sessions, in addition to the nine lectures and a panel discussion. The Vacation School proved to be extremely

popular. Originally planned on the basis of 30 participants, by the close of registrations, there were 72 early-career researchers registered. The participants came from 14 different departments across Warwick.

Examples from feedback:

"I really enjoyed the course, which was challenging but I learnt a lot. It was well paced, of an appropriate length, and the lecturers and demonstrators were knowledgeable and helpful. Thank you for the opportunity to participate."

"Excellent workshop. Thank you for organising it. Wish the two sessions on statistical models and multivariate statistics could have been longer."

"I had never really used R before this course and I found that the structure of the course made it easier for me to follow a lot of what was going on even though admittedly I did struggle with some components of the course. I cannot say that out of the course I now know how to use R but what I can say is that the foundation from the course and a lot of additional practice will make it much easier for me to transition into a comfortable user."

"This one week Vacation School is extraordinary! I learnt R by myself and have been using R for a while, but I still think this workshop is very useful for me, and I got a lot of valuable experiences that were shared by teachers and others."

Institute Activities

Careers in Research Outreach Day

On Wednesday 15th March 2017 the IAS hosted 11 sixth-form students from WMG Academy at Warwick for an afternoon of learning about careers in research.

We started with an activity trying to match 30 'untranslatable' words to the language they come from and their meaning. Several of our international fellows and Language scholars were able to help by providing expert knowledge of the similarities and differences of how some languages are structured. We then heard from two of our Medical Science researchers. They told us about some of the recent advances they have made in understanding the way cells work and some of the challenges they face. They also walked us through a typical day in the lab. We finished the afternoon by hearing from one of our Science Fellows about how he, and other astronomers, use the different properties of light to discover more about our universe. This sparked intense debate about the likelihood of life on other planets, how to escape the universe and what could happen if Earth was sucked into a black hole.

The event was very much enjoyed by all involved. Many thanks to the students and Mr Vipond from WMG Academy for coming to join us and learn more about what academic researchers do. Particular thanks to the IAS fellows who donated their time to this event - Greg, Gemma, Guillaume, John, Laura, Victor, Yuexi, Maria, Elisabeth, Waiyee and Graham.







Spotlight on Exchanges

Exchanges is the University's peer-reviewed biannual (October and April), open-access online journal dedicated to the publication of high-quality interdisciplinary work by researchers in any field.

Exchanges represents a collaboration between the IAS and the University of Warwick Library, bringing together the IAS's commitment to supporting cutting-edge interdisciplinary research with the library team's skills and expertise in open access journal publishing software. Launched in October 2013, the journal is celebrating its fifth anniversary this year with a new look.

Highlights for the Past Five Years:

- ▶ 'In Conversation' series featured Oliver Sacks, Luce Irigaray, Hannah Jones, Mona Siddiqui, Eric Foner, Bill Maurer, Anne Fine, Michael Scott, Michael Levitt, Martin Hairer, Alex Callinicos, Martin Stannard, Joshua Knobe, Jack Zipes, Lorraine Daston, Felix Nobis, Gary Watt, Denise Schmandt-Besserat, David Greenwood, Stef Craps, and Louise Richardson.
- ▶ Articles included 'Myths of Male Same-Sex Love in the Art of the Italian Renaissance', 'Forêt de Guerre: Natural remembrances of the Great War', 'Global Environmental Liability: Multinational Corporations under Scrutiny', 'Mimicking Bone - Chemical and Physical Challenges', and 'Fiction as a Medium of Social Communication in 19th Century France'.

▶ Top 5 downloads:

1. Houghton, A. (2015). *Myths of Male Same-Sex Love in the Art of the Italian Renaissance*. *Exchanges: The Warwick Research Journal*, 3(1) - 8002 downloads
 2. Namballa, V. C. (2014). *Global Environmental Liability: Multinational Corporations under Scrutiny*. *Exchanges: The Warwick Research Journal*, 1(2) - 6515 downloads
 3. Prestidge, O. (2013). *Forêt de Guerre: Natural remembrances of the Great War*. *Exchanges: The Warwick Research Journal*, 1(1) - 5833 downloads
 4. Groves, M. (2013). *The Contribution of Student Leadership to School Transformation*. *Exchanges: The Warwick Research Journal*, 1(1) - 5680 downloads
 5. Benhamou, E. (2014). *From the Advent of Multiculturalism to the Elision of Race: The Representation of Race Relations in Disney Animated Features (1995-2009)*. *Exchanges: The Warwick Research Journal*, 2(1) - 5554 downloads
- ▶ Featured themed sections on 'Movement', 'Collaboration', 'Shakespeare 400', 'Sensory Experience in Ancient Rome', 'Inequality in Education - Innovation in Methods', 'Sidelights on Shakespeare', and 'In Schools'.

Exchanges welcomes submissions covering any academic subject. Find out more, and read all the published articles at www.exchanges.warwick.ac.uk

Now listed in the Directory of Open Access Journals, with a growing international readership, the journal is establishing itself as a unique publishing platform for interdisciplinary research that bridges the historic divide between the sciences and the humanities. The importance of such an open access, online journal is becoming increasingly evident, as scholars are starting to engage differently with published research both in how they search for articles as well as what they expect from them.

The Exchanges team are committed to supporting early career researchers; by publishing with Exchanges they receive detailed guidance and support through the peer review process, ensuring all authors receive feedback.

Exchanges has a very international readership. Recently, the UK-based editorial team has begun to collaborate with international editors, linking with researchers in Australia, as part of the Warwick-Monash alliance, and China.

The editorial team also welcomes submissions from international authors and are looking to expand the journal's global readership further.

Top 10 readership countries:



In addition, early career researchers are invited to join the editorial board. This unique opportunity enables our doctoral and postdoctoral researchers to play an active role in shaping the future of the journal and potentially influence the publishing community more broadly.

To date, the editorial board has consisted of early career researchers from a wide range of disciplinary areas. The diversity of interests and perspectives on the editorial board is important for the process of bringing research to a wider audience and helping these early career researchers to see the benefits of such an ambitious multi-disciplinary platform.

To strengthen the Monash Warwick Alliance, Exchanges is collaborating with the Monash Postgraduate Association (MPA). Two members of the editorial board are based at Monash University. The journal is looking forward to working with Warwick's other international strategic partners and with similar institutions like the IAS around the world.



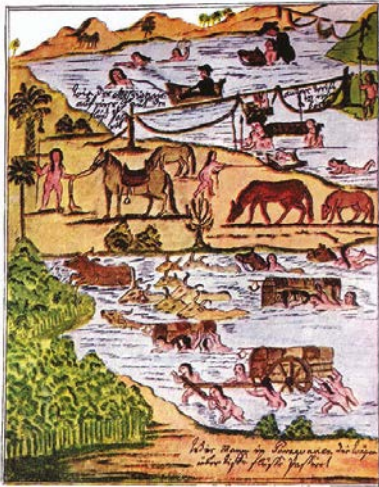
Examples of recent *Exchanges* articles

► Translation and Modernism: Mapping the Relationship

JOANNA RZEPA

Department of English and
Comparative Literary Studies,
University of Warwick

The 'Translation and Modernism: Twentieth-Century Crises and Traumas' conference hosted at the University of Warwick on 22-23 January 2016 explored new research pathways in the emerging interdisciplinary field of modernism and translation. It brought together leading academics, early career researchers, and postgraduate students working in translation studies, comparative literature, modernist studies, English studies, and modern languages. The conference participants engaged in a lively interdisciplinary dialogue, considering new research questions and sharing recent methodological developments. The papers presented at the conference shed new light on the key role of translation in twentieth-century literary culture. The three main themes discussed at the conference addressed the modernist re-evaluation of translation as a compositional technique, the idea of translation as a form of cultural memory transmission, and the ways in which translation was theorised by twentieth-century authors, translators, and philosophers.



► Defining 'Movement' in Global History: The Early Modern Iberian World in a Global Frame (16th-18th centuries)

DESIREE ARBO

Department of Classics and Ancient History, University of Warwick

On 9 June 2017, scholars from a range of disciplines across the United Kingdom and Spain met at the University of Warwick to discuss the ways in which taking a global perspective can enrich research on early modern Iberia and colonial Spanish America. Coming at a time when Spanish exceptionalism is being increasingly challenged but the Americas are still being side-lined in the writing of global history, the presenters addressed gaps in current historiography and challenged Eurocentric narratives of early modern history which have predominated since the Enlightenment. The final roundtable called for definition in the language of movement in global history and concluded that we need to rethink global history as a project that began in the sixteenth century with conceptions of an Iberian or Catholic globe, an orbe hispano.

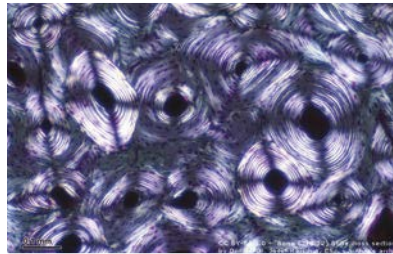
► Science for All

LIAM J. MESSIN¹,
JOHN C. MEADOWS^{1,2}

¹Division of Biomedical Sciences,
Warwick Medical School,
University of Warwick

²Institute of Advanced Study,
University of Warwick

Science is the best method humanity has for understanding the universe and our place in it. However, despite its astonishing achievements, the implementation and communication of science is not without problem. In this article the development of scientific publishing is discussed, as is its subsequent impact on scientific discovery and on the profession itself. The ways in which a move towards a more open science framework might alter how science is reported and ultimately performed is also addressed.



► Mimicking Bone - Chemical and Physical Challenges

SOPHIE C. COX

WMG, University of Warwick

It is known that chemical and physical features of bone contribute to its functionality, reactivity and mechanical performance. This article presents a summary of previously published studies conducted by the author with the aim of fabricating a synthetic structure, referred to as a scaffold, which both chemically and physically emulates the intricate structure of bone. Novel work aimed at improving the understanding of the synthesis of a ceramic biomaterial, namely hydroxyapatite, that is chemically similar to bone mineral is discussed. A case study involving the manufacture of porous scaffolds by 3D printing is also presented. In summary, this article highlights a number of on-going challenges that multidisciplinary tissue engineers aim to solve to get one-step closer to mimicking bone, which clinically could improve the quality of life for millions of people worldwide.



Facilities & Staff

Office Space and Seminar Facilities

The Institute is physically located in Millburn House on the University of Warwick Science Park. Alongside offices for staff and visiting fellows, the IAS has a seminar room for up to 35 people, a reception area and hot desking facilities for Early Career Fellows. The seminar room and reception area are used for the Institute's weekly meetings and are available to supported projects. The seminar room can be booked for events which support the purpose of the IAS at www.warwick.ac.uk/ias/facilities/seminarroom

Residential Space

Cryfield Grange is a Grade II listed building with Tudor foundations, extensive gardens and tennis courts. The facility offers high quality self-catered, en-suite facilities for up to three visiting fellows. Just a short walk from central campus, it provides an ideal base to make the most of both the research activities of the university and the local area.



IAS Staff

Professor Peter Scott was appointed to Director of the Institute in September 2017.

He joined Warwick's Department of Chemistry in 1997 as a Lecturer and has served in a variety of roles for the department and university and is a Royal Society Industry Fellow. Peter is also the founder and scientific director of the Warwick spin-out Interface Polymers Ltd. Educated at Salford and Oxford he undertook post-doctoral work at Universität Konstanz in Germany and Sussex University, holding a Royal Society European Research Fellowship and the Ramsay Memorial Fellowship. He is a Fellow of the Royal Society of Chemistry and Chair of the National Chemical Database Service Advisory Board. He leads collaborative interdisciplinary research in two areas: the discovery of self-assembling molecules as antimicrobials and cancer medicines, and interfacially-active polyolefin materials for industry.

Professor Scott joins the current team of IAS staff including:



Mrs Ann Brown
Programme Coordinator



Dr John Burden
Research Strategy & Programme manager



Mrs Rachel Hitchcox
Programme Coordinator



Mrs Tina Hoare
Administrative Assistant



Dr Yuexi Liu
Senior Editor of Exchanges



Professor Peter Scott
Director



Mrs Abbie Pritchard
Administrative Assistant



Dr Rebecca Vipond
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