

PROFESSOR J.P.C. GREENLEES
CURRICULUM VITAE

FULL NAME : GREENLEES, John Patrick Campbell

DATE OF BIRTH : 25 November 1959

ADDRESS :

Warwick Mathematics Institute
Zeeman Building
Coventry CV4 7AL
tel: (University) (02476) 528 335
(Mobile) (07976) 235 071
e-mail: john.greenlees@warwick.ac.uk
webpage: <http://homepages.warwick.ac.uk/staff/John.Greenlees>

QUALIFICATIONS :

1981: B.A. (Hons) first class in mathematics (Cambridge)
1982: Diploma of advanced study in mathematics ("Part III") with distinction (Cambridge)
1985: MA (Cambridge)
1985: PhD (Cambridge)

AWARDS :

Senior Rouse Ball Studentship (Trinity College, Cambridge) 1985-86
Nuffield Foundation Science Research Fellowship (1995-96)
Junior Berwick Prize (London Mathematical Society, 1995)
Fellowship of the American Mathematical Society (2021)
Senior Berwick Prize (London Mathematical Society, 2022)

MEMBERSHIP OF LEARNED SOCIETIES :

American Mathematical Society
London Mathematical Society

CURRENT APPOINTMENT :

(2018-) Professor of Mathematics (University of Warwick)

PREVIOUS APPOINTMENTS :

(1985-86) Senior Rouse Ball Studentship at Trinity College, Cambridge.
(1986-89) Lecturer at National University of Singapore.
(1989-90) Visiting Assistant Professor at University of Chicago.
(1990-93) Lecturer at Sheffield University.
(1993-95) Reader at Sheffield University.
(1995-2018) Professor of Pure Mathematics (Sheffield)
(2004-08) Head of Department of Pure Mathematics (Sheffield)
(2010-13) Head of School of Mathematics and Statistics (Sheffield)
(2018-23) Professor of Mathematics and Head of Department (University of Warwick)

LEAVE APPOINTMENTS :

1994 (Fall Quarter) Visiting Associate Professor at University of Chicago.
2002 (Autumn Term) Principal Organizer of 'New Contexts for Stable Homotopy'
Isaac Newton Institute for Mathematical Sciences, Cambridge.
2014 (February-May) Research Professor at MSRI Berkeley
2015 (February, April) Simons Visiting Researcher, CRM, Barcelona
(May-August), Visiting Researcher, Hausdorff Institute of Mathematics, Bonn
2018 (July-December) Principal Organizer of 'Homotopy Harnessing Higher Structures'
Isaac Newton Institute for Mathematical Sciences, Cambridge.

MANAGEMENT AND LEADERSHIP :

Head of Department (Pure Mathematics, Sheffield) (2004-08): the post involved leading a period of substantial change, both planning and implementation a complete restructuring of the support staff, and the Federation of the three departments of Pure Mathematics, Applied Mathematics, and Probability & Statistics on 1st August 2007.

Head of School of Mathematics and Statistics (Sheffield) (2010-2013): again this was a period of change, since I took over when the three aforementioned departments were formally dissolved in June 2010, and all structures put in place at School level.

A significant initiative was the setting up and running the Mathematics part of the 3+1 joint degree with Nanjing Tech.

Head of Department (Warwick) (2018-2023). This included the pandemic period, a REF2021 return, the appointment of 44 members of academic staff and the restructuring of the Professional and Support Staff.

NATIONAL ROLES :

Chair, Academic Affairs Workstream (National Academy of Mathematical Sciences) (2024-)
Deputy Chair Proto-Academy of Mathematical Sciences, Academies and Societies Workstream (2023-24)

Deputy Chair REF2021 Mathematical Sciences Subpanel (2018-22)

Member, INI Management Committee (2020-23)

Vice President of London Mathematical Society (2009-19)

Member of Council of Mathematical Sciences Board (2009-19)

Member, REF2014 Mathematical Sciences Subpanel (2011-14)

Member, RAE2008 Pure Mathematics Subpanel (2006-08)

Member, RAE2020 (Hong Kong) Mathematics Subpanel (2019-21)

Member, Programme Committee of ICMS (Edinburgh) (2011-21)

Member, London Mathematical Society Prize Committee (2009-10)

Member, EPSRC Strategic Advisory Team (Mathematics) (2004-06)

EDITORIAL WORK :

Journal of Topology (Managing Editor) (2023-)

Algebraic and Geometric Topology (2000-)

Topology and its Applications (1998-)

Springer series 'Algebra and applications' (2005-)

Homology Homotopy and Applications (2007-)

Springer series 'Universitext' (2019-)

SEAMS Journal (1997-)

London Mathematical Society Journals (1994-2004)

London Mathematical Society Publications Committee (2004-18)

Journal of homotopy and related structures (2005-16)

PHD SUPERVISION :

15 completed PhD students, 5 current students.

- J.A.Pérez (1991-94) for his PhD "The Borel construction on G-spaces for 1-dimensional groups."; [Went to Zacatecas University, Mexico]
- Gareth Williams (2001-05) for his PhD "Equivariant Poincaré duality for the K-theory of complex projective spaces"; [Went to Open University]
- David Barnes (2004-07) for his PhD "Rational equivariant spectra' (T.M.Flett Prize winner)"; [Postdocs at London Ontario, Bonn; now at Queen's University, Belfast]
- Kijti Rodtes (2007-2010) "Connective K -theory of semidihedral groups." (T.M.Flett Prize winner) [Went to Naresuan University, Thailand]

- Arjun Malhotra (2007-2011) “The Gromov-Lawson-Rosenberg conjecture for some finite groups.” (T.M.Flett Prize winner) [Went to postdoc at Münster]
- Mohammad Abbasirad (2010-2014) “Homotopy theory of differential graded modules and adjoints of restrictions of scalars.”
- Magdalena Kedziorek (2010-2014) [Niemejgen] “Algebraic models for rational G -spectra” (T.M.Flett Prize Winner)
- Tom Sutton (2012-2016) “Rational homotopy theory and derived commutative algebra.”
- Mohammad Khazi Dakel al ABoshmki (2010-2016) “The connective K -theory of elementary abelian p -groups for odd primes.”
- Dimitar Kodjabachev (2014-2018) “Gorenstein properties of topological modular forms with level structure” (went to postdoc in Haifa)
- Jordan Williamson (2016 -2020) “Algebraic models and change of groups for equivariant spectra” (T.M.Flett prizewinner; went to postdoc in Prague)
- Luca Pol (2016 -2020) “Algebraic models and rational global spectra” (went to postdoc in Regensburg)
- Igor Sikora (2017-2021) “Aspects of equivariant loop spaces” (went to postdoc in Bilkent)
- Matteo Barucco (2018-22) “An algebraic model for rational T^2 -equivariant elliptic cohomology”
- Andrew Ronan (2019-2023) “Nilpotent groups, spaces and G -spaces”
- Marco La Vecchia (2020-2024) “Towards equivariant formal group laws”
- 5 current students.

PhD EXAMINING :

External Examiner: Dan Brown (Oxford University, 1/10/93), Jeff Green (Manchester University, 19/11/93), David Wilmut (Warwick University, 29/8/96), Mike Cole (Chicago University, 5/96), Laura Scull (Chicago University, 4/99), Ioannis DOKAS (Warwick University, 2/4/01), Anders Frankild (Copenhagen University, 17/5/02), Michael Joachim (Habilitation) (University of Münster, 4/03), Markus Szymik (Dr Math) (Bielefeld University, 2/03), Javier Gutierrez (University of Barcelona, 09/04) Pierre Guillot (Cambridge University, 09/04), Shoham Shamir (Hebrew University of Jerusalem, 10/06), David Pauksztello (Leeds University, 9/08), Carl McTague (Cambridge University, 5/10), Martin Stolz (Bergen University, 10/11), Ana Garcia Pulido (Warwick, 4/13), Irakli Patchkoria (Bonn, 7/13), Simon Gritschacher (Oxford, 6/17), Ciaran Corvan (QUB, 9/17), Michael Keogh (Wayne State, 1/18), Benjamin Boehme (Bonn, 10/18), Kaif Hilman (Copenhagen, 10/22) Miguel Barrero (Nijmejen, 6/24)

Internal examiner: I.H.Denizler (11/95), I.Androulidakis (09/01), Daniel Singh (07/04), James Cranch (10/09), Tony Hignett (10/09), Edward Prior (11/17), Sam Hutchinson (3/18), Will Mycroft (3/18), Ferdinando Zanchetta (11/19), Sunny Sood (11/24)

QUALITY ASSURANCE Undergraduate external examiner:

Leicester (2001-2004)
 Durham (2007-2011)
 Sultan Qaboos University, Oman (2007-10)
 Cambridge (2010-12)
 Edinburgh (2013-16)

External review panels:

Coventry (2015)
 Durham (REF review 2015)
 Glasgow (REF review 2015)

Lancaster (Review 2016)
York (REF review 2016)
OU (REF review 2017)
Cambridge (Learning and Teaching Review, 2018).

RESEARCH GRANTS :

- £3,000 grant by the Nuffield Foundation to support travel and collaboration on the project “Completion, localisation and periodicity in topology”. (1991-93)
- £15,000 University Research Fund grant for computing equipment and travel on the project “Geometric methods in equivariant algebraic topology.” (1993-95)
- ca £1,000 Scheme 3 Grant for the Transpennine Topology Triangle, from the London Mathematical Society 1995-2010 as Principal Organizer;
- Nuffield Research Fellowship (1995-96), which brought a grant of £5,000 towards research expenses, and provided £15,566 plus costs for salary.
- (as coinvestigator to R.Y.Sharp) EPSRC (VF) grant (£1,700) to support the visit of Prof G. Lyubeznik (Minnesota) (1 month 1998).
- (£1,700) EPSRC (VF) to support the visit of Prof R. Bruner (Detroit) (1 month 1998).
- (as named participant) NSF grant coordinated by Professor J.P. May of the University of Chicago; the award 1995-1998 was followed by an award 1998-2001
- EPSRC grant “Local cohomology in algebraic topology” (£114,415) (1999-2002) [Postdoc: S.B.Iyengar, C.Ausoni]
- EU grant for the “Modern homotopy theory” Research Training Network (Sheffield Node leader) (Sheffield share ca. £115,000) (2000-2003) [Postdocs include: H.Colman, I.Galvez, J.-G. Grebet, O.Renaudin]
- (£7,600) EPSRC (VF) to support the visit of Prof R. Bruner (Detroit) and two others (2 month 2002).
- EPSRC grant “Higher structures on elliptic cohomology” (£160,000) (2005-08) [Postdoc: D.Gepner]
- EPSRC grant “Orientability and complete intersections for ring spectra” [Postdocs: S.Shamir, A. Gonzalez.] (£295,912) (2007-10)
- EPSRC grant “Rational equivariant cohomology theories.” (£313, 867) (2010-14) [Postdoc: Pokman Cheung]
- EPSRC grant “Adelic models, rigidity and equivariant cohomology theories.” (£318, 758) (2017-22) [Postdoc: Scott Balchin]
- EPSRC grant “Koszul duality and the singularity category for the enhanced group cohomology ring.” (£461,981) (2023-26) [Postdoc: Rudradip Biswas]

EVENTS ORGANIZED :

- The 8th British Topology Meeting in Sheffield in September 1993.
- The Sheffield Homotopy Miniconference (May 1997), funded by the London Mathematical Society and the National Science Foundation.
- The AMS Summer Research Conference in Boulder Colorado (1999) (with R.R. Bruner (Wayne State), N.J. Kuhn (Virginia), A.D. Elmendorf (Purdue) and J.E.McClure (Purdue)); he is Principal Editor of the proceedings.
- Transpennine Topology Triangle (Principal Organizer) (1995-2010)

- The 15th British Topology Meeting in Sheffield in April 2000 (with Dr. N.P.Strickland).
- The Second Sheffield Homotopy Miniconference (January 2001) (with Dr. N.P.Strickland).
- The four month programme “New contexts for stable homotopy theory” (Autumn 2002) at the Newton Institute, (Principal Organizer, with H.R.Miller (MIT), F.Morel (Paris) and V.P.Snaith (Southampton))
- The workshop ‘Homological and representation theoretic methods in commutative algebra’ at MSRI, Berkeley (February 2003).
- Lisbon Conference on Commutative Algebra, Lisbon (June 2003), (Scientific Committee)
- The Third Sheffield Homotopy Miniconference (January 2006) (with Prof N.P.Strickland and Dr S. Whitehouse).
- Oberwolfach Homotopy Theory Meeting (2007, 2011, 2015; with P.Goerss and S.Schwede)
- British-Nordic Meeting (Topology) (Oslo, June 2009)
- Kervaire Invariant Workshop (ICMS Edinburgh, April 2011; with A.Ranicki)
- Homotopy Harnessing Higher Structures (INI Cambridge, July-December 2018)
- Spectral methods in algebra, geometry and topology (Hausdorff Institute for Mathematics, Bonn, September-December 2022)
- Homotopy: Fruits of the Fertile Furrow (INI Cambridge) June 2023)
- Oberwolfach Workshop on tt geometry, September 2023 (with P.Balmer, T.Barthel and J.Pevtsova)

INVITED CONFERENCE TALKS :

35 international conferences (including 6 instructional series) in 11 countries and 4 continents since 2014.

2014 ICM Sattelite Conference on Algebraic topology (Dalian, 9-12 August)

“Rational equivariant cohomology theories: embodying the localization theorem.”

Algebraic topology and structured ring spectra (Manchester, 3-5 September)

“Gorenstein duality for THH.”

2015 Masterclass (IRMA, Strasbourg, 27 February)

“Three hours on equivariant K-theory.”

IRTATCA Minicourse (CRM, Barcelona, April)

“Five hours on homotopy invariant commutative algebra.”

Groups, representations and cohomology (Bensonfest, Skye, 23-27 June)

“Chromatic Gorenstein descent: homotopical Watanabe theorems.

Advances in homotopy theory (Henn, Strasbourg 28/6-1/7)

“Chromatic Gorenstein descent”

Aspects of homotopy theory, Southampton (14-17/12/15)

“Rational toral equivariant cohomology theories”

2016 Banff Meeting on eDAG (15/2/16-19/2/16)

“Local and global Anderson and Gorenstein duality for ring spectra. ”

AIM meeting on eDAG (13/6/16-17/6/16)

“Isotropy separation”

Banff Meeting on Triangulated Categories (20/6/16-24/6/16)

“Morita theory and singularity categories.”

2017 Homotopy Theory and Algebraic Geometry (SPP 1786; Wuppertal, 21-24/3/17)

“The Balmer spectrum of the category of rational torus-equivariant cohomology theories.”

Masterclass on stratifications and duality (Copenhagen, 27-31/3/17)

“Singularity categories and Morita equivalences”

EuroTalbot 11/6/17-17/6/17

“Duality in Algebra, Geometry and Topology” (as Mentor)

- Invertible Objects and Duality in Derived Algebraic Geometry and Homotopy theory (Regensburg, 3-7/4/17)
 “The ubiquity of Gorenstein ring spectra.”
- Lille Conference Algebraic Topology and Representation Theory (26/6/17-30/6/17)
 “Morita theory and singularity categories.”
- Local cohomology in commutative algebra and algebraic geometry (Minneapolis, 7-11 August)
 “Rings with a twisted local cohomology theorem”
- Topology Ecuador (San Cristobal, 14-18 August)
 “The Balmer spectrum of rational equivariant cohomology theories.”
- 2018 Workshop ‘Rigidity and algebraic models in stable homotopy theory’ (Copenhagen, 9-13 April)
 5 lecture headline series: “Rational equivariant cohomology”
- Honam and Younam Mathematical Societies (Jeju Island, Korea June 22-24)
 “Invariants of spaces with an action of a compact Lie group”
- Conference in honour of Ieke Moerdijk’s 60th (Utrecht, Sept 27-31)
 “Adelic models”
- British Topology Meeting 33 (OU, September 4-6)
 “Borel cohomology and the Gorenstein condition for disconnected compact Lie groups”
- 2019 Meeting in honour of M.F. Atiyah (Leicester, 8/3/19)
 “Adelic models for tensor triangulated categories”
- Advanced course “Equivariant Stable Homotopy” (Barcelona, May 27-31)
 5 lecture headline series: “Introduction to stable equivariant homotopy”
- 2020 Oberwolfach ‘Cohomology of groups’ (Oberwolfach, 10-14/8/20; in person!)
 “The singularity category for groups with cyclic Sylow p -subgroup”
- 2021 ‘Applications of equivariant cohomology in stable homotopy theory’ (AIM, San Jose (10-14/5/21)
 “Assembling parallel worlds.”
- 2022 ‘Derived geometry’ (CRM, Barcelona (6-10/6/22) (in person))
 “The singularity category for $C^*(BG)$.”
- Representation theory and triangulated categories (Paderborn 26-30/10/22)
 “Balmer spectra and spaces of subgroups of compact Lie groups”
- 2023 “Homotopy theory in honor of Paul Goerss” (Northwestern 20-24/3/23)
 “Rational equivariant cohomology theories for compact Lie groups.”
- Duality in Topology and Algebra, (ICTS Bangalore, 15-23 May 2023)
 “Duality for $C^*(BG)$ ” (4 hours of lectures)
- K -theory and topology (Snaith Memorial conference), July 2023
 “Rational equivariant cohomology theories for compact Lie groups.”
- Transchromatic Homotopy Theory, Regensburg , July 2023
 “Torsion models for Noetherian tensor triangulated categories.”
- 2024 “Workshop on algebraic models” (Fondation des Treilles, 18-23/3/24)
 “Algebraic models for rational G -spectra for a compact Lie group G : living history.”
- Topology, Representation Theory and Higher Structures, (INI satellite conference in Skye), June 20
 “Rational $SU(3)$ -equivariant cohomology theories”
- Interactions between Algebra, Equivariance and Homotopy Theory, Regensburg , June 2024
 “Commutative algebra and equivariant cohomology theories” (3 one-hour lectures)
- International Workshop on Algebraic Topology, Shanghai, July 2024
 “Algebraic models for rational equivariant cohomology theories for toral compact Lie groups.”
- International Workshop on Betti numbers in commutative algebra and topology, Bielefeld, September
 “Betti numbers and chromatic Smith theory after Kuhn-Lloyd”

Publications and Preprints

□ Authors are listed in alphabetical order; joint authors are equal.

- [] The research monographs [21, 40, 52, 66] are listed in the same sequence because they are in essence very long papers.
- [1] J.P.C.Greenlees “Functional duals and Moore spectra”, *Bulletin of the London Mathematical Society* **17** (1985), 43-48.
 - [2] J.P.C.Greenlees “Representing Tate cohomology of G-spaces”, *Proceedings of the Edinburgh Mathematical Society* **30** (1987), 435-443
 - [3] J.P.C.Greenlees “How blind is your favourite cohomology theory?”, *Expositiones Mathematicae*, **6** (1988), 193-208.
 - [4] J.P.C.Greenlees “Stable maps into free G-spaces”, *Transactions of the American Mathematical Society*, **310** (1988), 199-215.
 - [5] J.P.C.Greenlees “Topological methods in equivariant cohomology”, *Proceedings of the 1987 Singapore Group Theory Conference*, W. de Gruyter, (1989), 373-389.
 - [6] J.P.C.Greenlees “Equivariant functional duals and universal spaces”, *Journal of the London Mathematical Society*, **40** (1989), 347-354.
 - [7] J.P.C.Greenlees “The power of mod p Borel homology”, *Proceedings of the 1988 Kinosaki conference on homotopy theory and related topics. Lecture notes in maths.* **1418** Springer-Verlag (1990), 140-151.
 - [8] J.P.C.Greenlees “Equivariant functional duals and completions”, *Bull. London Math. Soc.* **23** (1991), 163-168.
 - [9] J.P.C.Greenlees and J.P. May “Completions of G-spectra at ideals of the Burnside ring” *Proc. Adams Memorial Conference II*, Cambridge University Press (1992) 145-178.
 - [10] J.P.C.Greenlees and J.P. May “Some remarks on the structure of Mackey functors” *Proc. American Math. Soc.*, **395** (1992) 237-243.
 - [11] J.P.C.Greenlees and J.P. May “Derived functors of I-adic completion and local homology” *Journal of Algebra* **149** (1992) 438-453.
 - [12] J.P.C.Greenlees “Homotopy equivariance, strict equivariance and induction theory” *Proc. Edinburgh Math. Soc.* **35** (1992) 473-492.
 - [13] J.P.C.Greenlees “Generalised Eilenberg-Moore spectral sequences for elementary abelian groups and tori”, *Proc. Camb. Phil. Soc.*, **112** (1992) 77-89.
 - [14] J.P.C.Greenlees “Some remarks on projective Mackey functors”, *J. Pure and Applied Algebra*, **81** (1992) 17-38.
 - [15] D.J. Benson and J.P.C.Greenlees “The action of the Steenrod algebra on Tate cohomology” *J. Pure and Applied Algebra*, **85** (1993) 21-26.
 - [16] J.P.C.Greenlees “K-homology of universal spaces and local cohomology of the representation ring” *Topology* **32** (1993) 295-308.
 - [17] T. Bier and J.P.C.Greenlees “The lattice spanned by the cosets of subgroups in a finite group.” *J. London Math. Soc.* **47** (1993) 433-449.
 - [18] J.P.C.Greenlees “The geometric equivariant Segal conjecture for toral groups.” *J. London Math. Soc.*, **48** (1993) 348-364.
 - [19] A.D.Elmendorf, J.P.C.Greenlees, I.Kriz and J.P.May “Commutative algebra in stable homotopy theory and a completion theorem.” *Mathematical Research Letters* **1** (1994) 225-239.

- [20] J.P.C.Greenlees “Tate cohomology in commutative algebra.” *J. Pure and Applied Algebra* **94** (1994) 59-83
- [21] J.P.C.Greenlees and J.P. May “Generalized Tate cohomology” *Memoirs of the American Maths. Soc.*, **543** (1995) 178pp.
- [22] J.P.C.Greenlees “Commutative algebra in group cohomology.” *J.Pure and Applied Algebra* **98** (1995) 151-162
- [23] J.P.C.Greenlees and J.P.May “Completions in algebra and topology” *Handbook of Topology* (ed. I.M.James) North Holland (1995) 255-276.
- [24] J.P.C.Greenlees and J.P.May “Equivariant stable homotopy theory.” *Handbook of Topology* (ed. I.M.James) North Holland (1995) 277-323.
- [25] R.Bruner and J.P.C.Greenlees “The algebraic Bredon-Löffler conjecture.” *Experimental Mathematics* **4** (1995) 289-297.
- [26] J.P.C.Greenlees “A rational splitting theorem for the universal space for almost free actions.” *Bull. London Math. Soc.* **28** (1996) 183-189.
- [27] J.P.C.Greenlees and H. Sadofsky “The Tate spectrum of v_n -periodic complex oriented theories.” *Math. Zeits.* **222** (1996) 391-405.
- [28] J.P.C.Greenlees “An introduction to equivariant K-theory.” *CBMS Regional Conference Series* **91** American Math. Soc. (1996) 143-152.
- [29] J.P.C.Greenlees and J.P.May “Examples of Tate cohomology.” *CBMS Regional Conference Series* **91** American Math. Soc. (1996) 231-245.
- [30] J.P.C.Greenlees and J.P.May “Brave new equivariant algebra.” *CBMS Regional Conference Series* **91** American Math. Soc. (1996) 299-314.
- [31] J.P.C.Greenlees and J.P.May “Localization and completion in complex bordism.” *CBMS Regional Conference Series* **91** American Math. Soc. (1996) 315-326.
- [32] J.P.C.Greenlees and J.A.Pérez “Connected Lie groups that act freely on a product of spheres.” *Bull. London Math. Soc.* **28** (1996) 634-642.
- [33] D.J.Benson and J.P.C.Greenlees “Commutative algebra for cohomology rings of classifying spaces of virtual duality groups.” *J.Algebra* **192** (1997) 678-700.
- [34] D.J.Benson and J.P.C.Greenlees “Commutative algebra for cohomology rings of classifying spaces of compact Lie groups.” *J. Pure and Applied Algebra* **122** (1997) 41-53.
- [35] J.P.C.Greenlees and J.P.May “Localization and completion theorems for MU -module spectra.” *Annals of Maths.* **146** (1997) 509-544
- [36] J.P.C.Greenlees and H.Sadofsky “Tate cohomology of theories with one-dimensional coefficient ring.” *Topology* **37** (1998) 279-292.
- [37] J.P.C.Greenlees “Rational Mackey functors for compact Lie groups I” *Proc. London Math. Soc* **76** (1998) 549-578
- [38] J.P.C.Greenlees “Augmentation ideals of equivariant cohomology rings.” *Topology* **37** (1998) 1313-1323
- [39] J.P.C.Greenlees “Rational $O(2)$ -equivariant cohomology theories.” *Fields Institute Communications* **19** (1998) 103-110

- [40] J.P.C.Greenlees “Rational S^1 -equivariant stable homotopy theory.” Mem. American Math. Soc. **661** (Vol 138) (1999) vii+289 pp.
- [41] J.P.C.Greenlees “Equivariant forms of connective K-theory.” Topology **38** (1999) 1075-1092.
- [42] J.P.C.Greenlees and N.P.Strickland “Varieties and local cohomology for chromatic group cohomology rings.” Topology **38** (1999) 1093-1139.
- [43] J.P.C.Greenlees and G.Lyubeznik “Rings with a local cohomology theorem and applications to cohomology rings of groups.” J. Pure and Applied Algebra **149** (2000) 267-285.
- [44] M.M.Cole, J.P.C.Greenlees and I. Kriz “Equivariant formal group laws.” Proc. London Math. Soc **81** (2000) 355-386.
- [45] J.P.C.Greenlees “Rational $SO(3)$ -equivariant cohomology theories.” Contemporary Maths. **271**, American Math. Soc. (2001) 99-125
- [46] J.P.C.Greenlees “Tate cohomology in axiomatic stable homotopy theory” Proc. 1998 Barcelona Conference, ed. J.Aguadé, C.Broto and C.Casacuberta, Birkhäuser (2001) 149-176
- [47] J.P.C.Greenlees “Equivariant formal group laws and complex oriented cohomology theories.” Homology, homotopy and applications **3** (2001) 225-263
- [48] J.P.C.Greenlees “Multiplicative equivariant formal group laws.” J. Pure and Applied Algebra **165** (2001) 183-200
- [49] J.P.C.Greenlees “Local cohomology in equivariant topology.” Proceedings of the 1999 Guanajuato Workshop on Local Cohomology, Marcel Dekker (2002), 1-38
- [50] W.G.Dwyer and J.P.C.Greenlees “Complete modules and torsion modules.” American J. Math. **124** (2002) 199-220
- [51] M.M.Cole, J.P.C.Greenlees and I. Kriz “Universality of equivariant bordism.” Math. Z. **239** (2002) 455-475
- [52] R.R.Bruner and J.P.C.Greenlees “The connective K-theory of finite groups.” Mem. American Math. Soc. Vol. 165 (2003) number 785. 127pp
- [53] J.P.C.Greenlees “Equivariant connective K theory for compact Lie groups” JPAA **187** (2004) 129-152
- [54] J.P.C.Greenlees “Rational S^1 -equivariant elliptic cohomology.” Topology **44** (2005) 1213-1279, arXiv:math/0504432
- [55] J.P.C.Greenlees “Equivariant forms of real and complex K -theory.” HHA **7** (2005) 63-82
- [56] W.G.Dwyer, J.P.C.Greenlees and S.B.Iyengar “Duality in algebra and topology.” Advances in Maths. **200** (2006) 357-402, arXiv:math/0510247
- [57] W.G.Dwyer, J.P.C.Greenlees and S.B.Iyengar “Finiteness conditions in derived categories of local rings” Comm. Math. Helv **81** (2006) 383-432, arXiv:math/0404034
- [58] J. P. C. Greenlees. “Triangulated categories of rational equivariant cohomology theories.” Oberwolfach Reports, pages 480488, 2006. (cit. on p. 2).
- [59] J.P.C.Greenlees and J.-Ph. Hoffmann “Rational extended Mackey functors for the circle group.” Proc Arolla Conf 2004, Contemporary Maths **399** (2006) 123-131.

- [60] J.P.C.Greenlees “Algebraic groups and equivariant cohomology theories.” Proceedings of 2002 Newton Institute workshop ‘Elliptic cohomology and chromatic phenomena’, CUP (2007) 89-110pp
- [61] J.P.C.Greenlees “Spectra for commutative algebraists.” Proceedings of the 2004 Chicago Summer School Contemporary Mathematics **436** (2007) 149-173, arXiv:math/0609452
- [62] J.P.C.Greenlees “First steps in brave new commutative algebra” Proceedings of the 2004 Chicago Summer School Contemporary Mathematics, **436** (2007) 239-275, arXiv:math/0609453
- [63] J.P.C.Greenlees “Rational torus-equivariant stable homotopy I: calculating groups of stable maps.” JPAA **212** (2008) 72-98 (<http://dx.doi.org/10.1016/j.jpaa.2007.05.010>), arXiv:0705.2686
- [64] J.P.C.Greenlees and G.R.Williams “Poincaré duality for the K-theory of equivariant complex projective spaces.” Glasgow J. Math **50** (2008) 111-127, arXiv:0711.0346
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