

NetworkPlus: Funding

Funded Network Activities

- General Network Discussion Meetings, 4 in total, up to 12k each
- Focus workshops, 12 in total, 8k each
- Link with ICAM Network, 2 years fee at 13k
- Mini pilot projects, ~27k in total

Other costs

- 8% of PI time, 5% of Co-I time
- Administrator: Taherah Nureen – all expenses are filed through Warwick
- Web developer: Julia Branke, two month per year, 19k total budget

NetworkPlus: Requests for funding

1. Funding for workshops

- 1 page proposals should be emailed to B. Hnat or entered via web pages
- Web pages will be updated to list all proposed activities (all 2014 activities will appear after this meeting)
- Voting will take place only if number of proposals exceeds annual budget (~30k per year)

2. Funding for the pilot projects

- Projects can be entered using Network web pages
- Voting will take place only if number of proposals exceeds annual budget (taken into account current lower rate of spending, ~12k per year)
- We need clarification for the EPSRC as to possible funding of PhD students in this area

3. Other funding opportunities

- Association with Institute for Complex Adaptive Matter (ICAM)

NetworkPlus: Year one activities

The first year is dedicated to consolidating the Network and developing cross-disciplinary links within the UK communities.

- **Web development:** development phase has been completed, refinement will be needed
- **General Network Discussion Meetings**
 1. **30 November, 2012:** ~20 attendees, “get to know each other” session, introductory talks, break-away sessions on challenges, new node at Lancaster University, all talks are on-line for inspection
 2. **17 and 18 July 2013:** ~30 attendees, “Topical sessions” aimed at better understanding of common challenges and methodology, incorporating Condensed Matter representatives
- **Workshops:**
 1. *Interacting Particle Models in the Physical, Biological and Social Sciences*, Cosponsored, Organizer: Colm Connaughton (Warwick)
 2. *Large Deviation Theory*, Organizer Tim. S. Evans, Imperial College
- **Developing connections with other Networks:** joint events with Climate Network (Christopher Budd, Bath) and Biophysics Network (Wilson Poon, Edinburgh) are in discussions for 2014. We are now officially associated with ICAM Network (Piers Colman)

NetworkPlus: Year One Spending

- **Web presence**
 1. Circa 3 weeks of work on web page development so far, more to follow after the meeting (~4k)
 2. Publication in *International Innovations* journal (~2k), in progress to appear in September issue
- **Meetings and workshops** (up to and including current meeting)
 1. GNDMs: 1 day November meeting ~4k, 2 days July meeting ~8k
 2. Workshops: (1 co-funded, one fully funded), ~10k
- **Pilot projects**
 1. T. Galla & P. Sollich, 1.5k
- **ICAM Association**
 1. 2 years fee 13k

Predicted spending in year one: ~ 42000 GBP (65%)

NetworkPlus: green shoots

1. GNDM 1 outcomes:

- Bring focus to the activities, do not dwell on generic discussions, support “organic” growth via clear cross-disciplinary collaborations
- Identify common schemes and use focus workshops to explore in-depth scientific aspects → lead to identification of Large Deviation Theory as a common topic of interest. Current workshop attracted wide interest far beyond Network members (there is a message here)
- Explore frontiers of the topics, beyond current “main-stream” results → influenced directly planning of the current meeting, engages more members of UK community

2. Personal links

- Pilot projects: P. Sollich and T. Galla
- New arrivals: University of Lancaster, Condensed Matter group
- Contacts with other Networks: Climate Network, Biophysics
- Warwick plasma group perspective: very interesting and promising discussions with Juan Garrahan, Steven Bramwell and Antonio Polliti.

3. Proposed future activities may be the best indicator of NetworkPlus success

NetworkPlus: Year Two Activities

1. **Two-day General Network Discussion Meeting**

- Organizers: Richard Blythe (Edinburgh), Tobias Galla (Manchester)
- Title: Viewpoints on Emergent Phenomena in Non-equilibrium Systems
- Date / Place: Early summer 2014, Higgs Centre for Theoretical Physics, Edinburgh

2. **Workshop 1:** *From classical to quantum non-equilibrium*

- Organizers: Fabian Essler (Oxford), Juan P. Garrahan (Nottingham), Andrew Green (LCN/UCL)
- Date / Place: **March** 17th or March 24th, 2014, University of Nottingham

3. **Workshop 2:** *Emergence and far from equilibrium phenomena in frustrated magnetic systems*

- Organizers: John Chalker (Oxford), Claudio Castelnovo (Cambridge), Steve Bramwell (UCL), Steve Blundell (Oxford), and Oleg Petrenko (Warwick).
- Date / Place: 6-12 **July**, 2014, Cambridge

4. **Workshop 3:** *The Connected Past: archaeological challenges and complexity*

- Organizers: Tim Evans, Imperial College
- Date / Place: **September**, 2014, Imperial College London

5. **Joint Meeting with Climate Network**

- Organizers: Christopher Budd (Bath), Bogdan Hnat (Warwick)
- Title: Tipping points in non-equilibrium systems
- Date / Place: TBA

6. **Joint Meeting with Biophysics Network**

- Preliminary discussions with Wilson Poon (Edinburgh), possibly combined with GNDM

NetworkPlus association with ICAM

1. Institute for Complex Adaptive Matter (ICAM) is a world-wide network of about 65 nodes (<http://icam-i2cam.org/index.php/branches/>) sharing a common interest in the emergent physics of quantum, soft and biological matter.
2. Through cost sharing from our individual members and funding from national agencies (the NSF International Materials ICAM grant and soon a Chinese Academy of Sciences support grant), ICAM has an annual budget of about \$1.5M used to promote rapid-response workshops, scientific exchanges, summer schools and science and education engagement.
3. As a node of ICAM, NetworkPlus gains representation on the Science Steering Committee which meets quarterly via the internet to discuss workshop and event applications. We are entitled to apply for ICAM support for workshops and events. Members of NetworkPlus can apply for ICAM Junior travel and exchange awards, for Postdoctoral Fellowship Awards and Senior Scientist Fellowships. (See: <http://icam-i2cam.org/index.php/awards/>).