

<b>Institution:</b> University of Hertfordshire
<b>Unit of Assessment:</b> Panel D (32): Philosophy
<p><b>a. Overview</b></p> <p>The Philosophy unit at the University of Hertfordshire (UH) comprises 12 category A staff (9.5 FTE), an increase on the 7.8FTE submitted in RAE 2008. Philosophy is part of the School of Humanities – which is responsible for staff development and much of the institutional infrastructure – and the Social Sciences, Arts and Humanities Research Institute (SSAHRI), which provides a framework for inter- and cross-disciplinary research and oversees postgraduate research programmes. The unit is organised into several research concentrations, each of which has contributed to the research grant awards earned during the assessment period. The unit's research ethos is to encourage fruitful collaborations and a pluralism that reflects their diverse and wide-ranging interests within these concentrations.</p>
<p><b>b. Research strategy</b></p> <p>The unit is organised around four main research concentrations:</p> <ul style="list-style-type: none"> <li>• Philosophy of Mind, Psychology, Cognitive Science and Artificial Intelligence (<b>Coates, Coleman, Gallagher, Hutto, Moyal-Sharrock</b>).</li> <li>• Metaphysics (<b>Bourne, Coates, Coleman, Gallagher, Hutto</b>).</li> <li>• Ethics, including Moral Psychology (<b>Gallagher, Lippitt, Milligan, Ransome, Rudd, Stokes</b>).</li> <li>• The work of specific philosophers, such as Kierkegaard (<b>Lippitt, Rudd, Stokes</b>) and Wittgenstein (<b>Hutto, Moyal-Sharrock, Rudd</b>).</li> </ul> <p>The unit also has expertise in the Philosophy of Mathematical Practice (<b>Larvor</b>). Until 29 Oct 2013, it also included the expertise of Floridi in the Philosophy and Ethics of Information.</p> <p>The purpose of these concentrations is to build capacity in key areas, enabling collaborations across the unit, the expansion of individual researchers' networks and the creation of postgraduate supervisory teams.</p> <p>The unit invests the QR returned to it in those elements that will best sustain and enhance its research environment: staffing and the postgraduate research culture. Budgeting occurs via a research delivery plan, aligned to the university's Research Strategy 2011–15, originating in the unit and approved by the School and SSAHRI. In 2007, we made five permanent research-active Philosophy appointments – <b>Bourne, Coleman, Floridi, Gallagher, Moyal-Sharrock</b> – to sustain and enhance the unit's vitality, anticipating the retirements of a colleague not entered for RAE 2008 (in 2010) and <b>Coates</b> (pending). <b>Gallagher's</b> 0.2 FTE appointment was part of the unit's strategy of international collaboration, complementing <b>Hutto's</b> research and extending its potential impact.</p> <p><b>Strategy during the assessment period</b></p> <p>During the current assessment period, the international collaboration strategy, in line with the university's Research Strategy, has seen the additional re-appointments of <b>Rudd</b> and <b>Stokes</b> (a former postdoc in the unit) as Research Fellows. <b>Milligan</b> and <b>Ransome</b> have also been appointed as Lecturers to enhance the Ethics concentration.</p> <p>The unit's forward strategy (as set out in RAE 2008) identified two priorities: To increase research grant income (as a means of furthering the intellectual agenda of the unit's research); and to build up a healthy postgraduate research community. The unit has succeeded in both cases.</p> <ol style="list-style-type: none"> <li>1. It has secured over £1.49 million in new external research funding in the assessment period. This was achieved by tying planned research activity, wherever possible, to externally funded projects, for which all staff are encouraged to apply. The research income strategy has involved discussing proposed applications, agreeing targets and reviewing draft bids at regular meetings, an activity monitored at School and SSAHRI level. Across SSAHRI, a mandatory 'second reader' system has been introduced, in which experienced researchers share their knowledge of what strong applications require, drawing both on their own successes and extensive review work for funding bodies. The unit has also benefited from the university's Research Grants</li> </ol>

Team, a central service that offers specialised advice about specific funders and funding calls, drawing on expertise across the university. This strategy has led the unit's researchers to revise and sometimes replace projects planned before 2008 with projects judged both to be more in line with developing staff interests and responsive to the external funding climate.

2. External funding has significantly enhanced the research environment, not least through enabling the unit to contribute significantly to training the next generation of researchers. In the assessment period, 5 postdoctoral researchers and 4 of the unit's 11 new PhD students have been supported by these funded projects. In total, 15 PhD and 9 MA by Research students have studied in the unit during the period, an increase on the 11.59 FTE in the 2001–7 period.

In addition to these external funding sources, the unit has benefited from internal competitions, organised at both SSAHRI and university level, that offer funds targeted at completing specific outputs, and/or the development of external grant bids and collaborations. The unit believes that the quality of outputs is enhanced by the need to justify both the intellectual questions explored and the request for resources to complete them.

### Future strategic aims and goals

Over the 2014–19 period, the unit aims to develop its contribution to the discipline in its areas of expertise and to increase the level of its public engagement. The unit will be refreshed by the addition of new permanent staff, taking account of forthcoming transfers and a retirement. Three new permanent appointments are planned by 2015, *inter alia* to add to the research concentration in ethics. Existing research collaborations with Australian universities will be built upon, in part through **Hutto**'s joint appointment between UH and Wollongong. The unit also aims to maintain an ambitious grant-seeking strategy to ensure a vibrant research community contributing to next-generation researcher development. However, since grant success cannot be guaranteed, it will also sustain the research environment in other ways. The unit's 2008–13 successes have been built on long-established practices, such as fortnightly research seminars involving visiting and internal speakers, which all researchers and research students are expected to attend. The unit will continue this practice, and continue to organise such events as the British Wittgenstein Society conferences and lecture series and the Sir Francis Bacon Lecture and Workshop Series, sponsored by both the Royal Institute of Philosophy and the School of Humanities. It will also continue with its non-stipendiary visiting researcher programme, which has attracted 19 successful applicants from Australia, Europe and the USA since 1 Jan 2008. These visitors (typically postdocs) are a valuable part of the unit's research community, joining it for short periods to participate in research seminars, consult staff, and develop proposals for future grants/collaborations. The university fully supports the unit's aim to continue and develop such activities.

### Support for interdisciplinary and collaborative research

The university encourages collaborative research through its Research Institutes. For instance, Marcel (Psychology) was a CI on **Coates'** and **Coleman's** AHRC-funded Phenomenal Qualities Project, while members of the unit have also co-supervised several interdisciplinary PhDs, collaborating with colleagues in Art and Design, Computer Science, Education, and Psychology.

## c. People, including:

### i. Staffing strategy and staff development

Through twice-yearly appraisal and mentoring, all researchers are encouraged and enabled to take advantage of the university's staff development opportunities. UH was among the first universities to be awarded the European Council HR Excellence in Research Award after having launched the Concordat to Support the Career Development of Researchers in April 2010. Locally, the unit ensures that early career researchers are best supported to promote their careers. For instance, **Bourne** and **Coleman**, both ECRs on appointment, had reduced teaching loads (under 60% and 50% of full load respectively) for their first three years in post and were also exempt from School administrative duties. The unit has considerable experience in providing support to ECRs in light of its Marie Curie projects. It takes the form of incorporating ECRs as CIs on research projects/networks; introducing them to relevant contacts; providing advice on publications, presentations and applications; and giving opportunities for discussing work-in-progress with senior researchers.

Further support is provided through awarding internal competitive grants aimed at reducing teaching workloads. For example, **Bourne** (2010, 2012) and **Coleman** (2011) received grants from SSAHRI's ECR scheme, allowing them the time to complete grant proposals and outputs submitted to REF 2014.

Internal competitive grants to complete specific projects are also available to more senior researchers. Over £22,000 of such funding has been awarded to the unit over the last three years. These include grants to Floridi (to organise a workshop on online security and civil rights in a project co-sponsored by Google EU's Public Policy); **Hutto** (to enable collaboration with his co-author in Antwerp to complete their book for MIT Press); **Larvor** (to develop international collaborations in the philosophy of mathematical practice); and **Lippitt** (for a fellowship visit to the Kierkegaard Research Centre (Copenhagen) to work on books for CUP and OUP).

All staff also benefit from the School's support for conference attendance: since 1 Jan 2008, it has allocated £95,080 to members of the unit for such staff development.

In line with established university procedures, every opportunity is taken to advance staff career progression. **Coates** and **Lippitt** were promoted from Reader to Professor in 2008 after extensive external review. These promotions brought the staff membership with professorial rank to five, a reflection of the unit's research standing. Promotions are based exclusively on quality criteria evaluated by external peer review, with no limits placed on the number of staff who can occupy any given grade. **Moyal-Sharrock** and **Coleman** were promoted to Senior Lecturer in 2009 and 2012 respectively. **Larvor** was promoted to Reader in 2013.

The unit has become a recognised place for postdocs to build their careers. All new research staff participate in central and local induction, twice-yearly appraisals, and access the university's centrally provided academic staff development and Generic Training for Researchers programmes. Research staff also receive career development advice, consistent with the Concordat. UH also offers a Skills Development Fund available exclusively to postdocs, and a mentoring scheme specifically for ECRs. Within the unit, all postdocs associated with recently completed projects have published in leading journals and secured posts at respected institutions (Deakin, Edinburgh, Liverpool, UCL and Warwick). All commented favourably on the structures of support available in the unit for advancing their careers. For example, Goff, who completed his two-year fellowship with the AHRC Phenomenal Qualities Project in 2011, published eight papers in leading journals, such as *Philosophy and Phenomenological Research*; obtained a book contract with OUP; and secured a permanent lectureship at Liverpool and a visiting fellowship at ANU. Illari, a postdoc on the AHRC Information Quality project and now a permanent lecturer at UCL, was given time and support to work on related projects about information and causality in the sciences. She co-authored a book for OUP, co-edited two special issues (*Topoi*, *Journal of Data and Information Quality*) and published five articles for such journals as *International Studies in the Philosophy of Science* and *European Journal of the Philosophy of Science*. **Stokes**, a Marie Curie postdoctoral Fellow, was supported in achieving a Postgraduate Certificate in Higher Education and became a Fellow of the HEA, as well as publishing a co-edited book and seven articles (including one in the *European Journal of Philosophy*). Based on interview feedback, the research and training activities undertaken at UH were a decisive factor in his being appointed to a permanent lectureship at Deakin, a post he holds alongside Research Fellow status at UH.

The unit fully supports the university's equality and diversity principles across all relevant protected characteristics. All new staff receive mandatory equality and diversity training as part of their induction to ensure the delivery of considerate and inclusive services. In developing its approach to staffing and staff recruitment, the unit is supported by the university's [Equality Office](#) and Disability Services, which advise on legal issues surrounding equality and disability, and on best practices. UH promotes 'family friendly' policies such as flexible working, has an on-site children's nursery and offers support for staff with caring responsibilities. The university is a member of the Athena Swan Charter and is a Stonewall Diversity Champion. That 40% of unit postdoctoral appointments since 1 Jan 2008 have been women has helped address a recognised gender imbalance. The unit aims further to confront this imbalance in the new permanent staff appointments it plans by 2015.

Actively engaging with the university's business-facing agenda, the unit promotes links with

businesses and external bodies through such activities as Knowledge Transfer initiatives and appointing potential impact partners as unit visitors. An example of the former is 'Understanding Information Quality Standards and their Challenges', an AHRC-funded project in which Floridi (PI) and Illari (postdoc) collaborated with Google UK to bridge the gap between theoretically sound and technologically feasible studies. An example of the latter is McKergow (co-director of The Centre for Solutions Focus at Work), who joined the unit to explore how **Hutto** and **Gallagher's** enactive paradigm and **Moyal-Sharrock's** Wittgensteinian approach to the philosophy of psychology enable a better understanding of psychotherapy and psychology in organisational settings.

## ii. Research students

The unit has increased its research student recruitment since RAE 2008. The total number of PhD students registered currently stands at nine. PhD students are funded by various means. During the period, four have been supported by AHRC- and EU-funded external projects; and one by the British Wittgenstein Society (BWS); two by UH inter-faculty studentships; the remainder are self-funded. In 2010, the unit introduced an MA by Research, enhancing the postgraduate research culture. The MA provides a natural conduit for those hoping to pursue higher degrees in the unit. Since 1 Jan 2008, four PhDs have been completed in the unit, as compared to two in the 2001–7 period. These enrolments reflect the unit's commitment to equal opportunities and widening participation to students from a variety of backgrounds: five of the currently registered PhD students are male and four female; seven are mature students and eight are studying part-time. All of the unit's postgraduate activities are scheduled to fit the needs of part-time students, while campus facilities such as the Learning Resources Centre are open 24 hours, 7 days a week.

A range of regular research activities afford fruitful interaction between research students and staff, and inculcate professional norms and standards. The unit fosters a collegial research culture that brings academic staff, postgraduates and interested undergraduates into regular contact by hosting the fortnightly Philosophy research seminars and Philosophy Society talks; an annual residential Philosophy Weekend at Cumberland Lodge (which provides opportunities for research students to present their work); postgraduate 'work in progress' meetings (organised by research students, funded by the School's Postgraduate Research Environment Fund); staff/postgraduate reading groups; various lecture series (e.g. the BWS and Francis Bacon lectures); and research conferences/workshops (enabling networking with senior figures). Research students are also encouraged to attend seminar series in related disciplines, and regularly participate in the multi-disciplinary research student conferences organised annually by SSAHRI.

Beyond this, research students benefit from the established international contacts and networks in the unit. For example, **Gallagher's** Humboldt Fellowship supports PhD and postdoc exchanges with the University of Bochum. In summer 2012, a UH PhD student spent a two-month research visit there; the unit anticipates that over the next five years four PhD students and one postdoc p.a. will similarly benefit. The Marie Curie TESIS project provides total support for two PhD students for three years at UH, including research expenses, academic travel, tuition and living expenses.

The unit works with UH's Knowledge Transfer team and other external bodies in order to stimulate and facilitate exchanges between academia and business/third-sector bodies. For example, working with the Royal Institute of Philosophy, the unit enabled a research student to deliver a 10-week Jacobsen course in introductory philosophy at a local school. Also, certain projects allow for students to be seconded to non-academic organisations for extended periods. For example, as part of the unit's Marie Curie special training programme (TESIS), its PhD fellows can opt to work in nodes with clinical expertise (Heidelberg, Munich) – training and participating in clinical activities – or nodes with links to businesses such as Lego. Such participation is planned for 2013–14.

The increase in PhD completions during the period reflects a further strengthening of the supervision and monitoring systems operated by SSAHRI. Each research student is assigned a team of 2–3 supervisors. Scheduled progression events, involving assessors external to the team, are organised to university-specified deadlines for each phase of study. The School's Research Students Tutor and the university's Research Degrees Board monitor annual progress.

All of the unit's research students are supported in skills development and preparing for future careers. For example, in 2011 one PhD candidate moved to part-time after having been appointed

software engineer for the German Research Centre for Artificial Intelligence (DFKI). On the former, the university provides a comprehensive Generic Training for Researchers (GTR) programme. It covers a variety of topics, including the process of research degrees, personal development, employability and information technology. Relevant session attendance is built into all research students' programmes, and sessions are also open to staff. There is an annual GTR Summer School, usually in September, for part-time research students. New Philosophy research students attend the unit's own Research Methods module at the start of their studies. Instrumental in helping MA students obtain AHRC-funded PhD places, it addresses philosophy-specific issues concerning, e.g., publication strategy, impact, CV development and career planning. Research students are also encouraged to audit relevant final-year undergraduate modules where appropriate.

All PhD students are given opportunities to teach, capped at a maximum of five hours per week to avoid interfering with their research. Several have availed themselves of the free access given to UH's nationally accredited CPAD teacher-training programme.

Research students are also coached in the requirements of professional careers involving research, and supported – practically and financially – in taking their first steps into it. The School has supported all such requests for support.

The university performs well in the Postgraduate Research Experience Survey (PRES). For instance, in the most recent survey, in 2013, students in Humanities rated their overall experience considerably higher than the average national ratings.

#### **d. Income, infrastructure and facilities**

Since 1 Jan 2008, the unit has secured £1.49 million in research grants from external sources. Its diverse projects include:

##### **UK-funded projects**

**1)** 'The Nature of Phenomenal Qualities', AHRC, £296,588, 2009–13: interdisciplinary project bringing together renowned philosophers, psychologists and brain researchers to investigate the nature of phenomenal consciousness (**Coates** (PI), **Coleman**, **Gallagher** (CIs); Goff (postdoc); Hodges, Salisbury (PhD fellows)). **2)** 'The Construction of Personal Identities Online', AHRC, £168,000, 2009–11 (Floridi (PI); Ward (postdoc)). **3)** 'Understanding Information Quality Standards and their Challenges', AHRC, £166,000, 2011–13 (Floridi (PI); Illari (postdoc)). **4)** 'Mathematical Cultures', AHRC, £33,819 (with additional funding from the London Mathematical Society), 2012–14: A network of meetings on connected themes, leading to publications, online activities and other resources (**Larvor** (PI)). **5)** 'Critical Friendships among Beginning Philosophers/Expectations and Actuality of Studying Philosophy at University', Higher Education Academy, £7,754, 2008–10 (**Lippitt**, **Larvor** (Co-PIs)).

##### **European-funded projects**

**1)** 'Towards an Embodied Science of Intersubjectivity' (TESIS), Marie Curie Actions, Initial Training Network, €524,646 to UH, €3.5m total in network, 2011–15: international, interdisciplinary project investigating the foundations of human sociality; brings together 13 European research institutes, clinical centres and private enterprises spanning the biomedical sciences and humanities (**Gallagher** (PI), **Hutto** (CI); Elias, Rucinska (PhD fellows)). **2)** 'The Ethics of Information Warfare: Risks, Rights and Responsibilities', Marie Curie Intra-European Fellowship, FP7, €170,000, 2010–12. (Floridi (PI); Taddeo (postdoc)). **3)** 'Selves in Time': Marie Curie Intra-European Fellowship, FP7, €172,903, 2010–12: inspired by Kierkegaard, explored narrative aspects of personal identity theory (**Lippitt** (PI); **Stokes** (postdoc)). **4)** 'Social Cognition and Social Narrative', European Science Foundation, €45,500, 2008, summer school organised in San Marino, attracting over 100 postgraduate applications (**Gallagher**, **Hutto** (Co-PIs)).

As part of its scholarly infrastructure supporting research, the unit hosts the British Wittgenstein Society (BWS), founded in 2007 and now with over 400 members worldwide. BWS was funded (£23,000 annually) by Shell from 2008 to 2012, and has recently secured new support (£20,000 annually) from the Stanhill Foundation. The Shell award received a 30% government match, increasing the total support received since 1 Jan 2008 to £131,100. BWS activities include: the

award of an annual bursary to an outstanding PhD candidate working on Wittgenstein at UH; an annual conference, each with 10 speakers of international renown, at a UK university (three such conferences so far have been held at UH); a twice-yearly Wittgenstein Lecture Series (also held at UH); financial aid to graduate student conferences and other Wittgenstein-related conferences in UK universities; maintenance of the BWS website; and the creation and maintenance of the BWS Comprehensive Annotated Wittgenstein Bibliography wiki. The Francis Bacon lectures are free annual public lectures that spotlight the valuable contribution and impact that philosophy makes beyond the academy, and are central to the unit's public engagement strategy.

The university's three Research Institutes are the foundation of the organisational infrastructure supporting research. SSAHRI (headed by **Lippitt** 2009–13) facilitates research in its constituent areas by operating a number of schemes that support the research environment, including allocating university funding to projects via small grants schemes and its 'second reader' scheme for external grant applications. The Research Grants Team provides other vital infrastructural support: major award winners receive training in project management and support with budgetary accounting. The university is a full member of the RCUK Research Integrity Office. It has approval processes for studies involving human participants and potentially problematic ethical issues relating to research. The unit also promotes research in a financially sustainable way through its Visiting Researcher programme and by maintaining long-term Erasmus partnerships, allowing regular staff/student exchanges with Antwerp, Boğaziçi, Bologna, Genoa, and Radboud, Nijmegen.

Operational infrastructure – library and IT resources and support – is provided centrally through Information Hertfordshire and locally through School budgets and via technical staff. All staff are provided with an up-to-date laptop or desktop computer. The Estates Master Plan has improved the research environment, ensuring space and resources for research students, such as a common room and shared office facilities.

The UH Research Committee meets three times per year to review strategies and priorities concerning infrastructure. During this REF cycle, **Lippitt** has represented the needs of the unit and the wider RI at the Research Committee and at the monthly PVC (Research) Management Group. In addition, the Research Degrees Board reports to these central bodies on all matters concerning the quality and award of research degrees and support of research students.

#### **e. Collaboration or contribution to the discipline or research base**

Contributions to the discipline by members of the unit during the assessment period include the production of: 14 single or co-authored books; 20 edited books or journal special issues; over 100 journal articles; over 70 book chapters; and over 100 other publications (including encyclopaedia entries, reviews and reports).

In addition to their UH-based projects, the unit's researchers collaborated with international partners on major projects abroad. Two highlights include **Gallagher** and **Hutto** working as CIs with Australian partners better to understand how expertise and cognitive virtues are developed and inculcated, focusing on practices in education and nursing. The project (2010–13) received \$293,000 from the Australian Research Council. **Hutto** also collaborates with a team of researchers in philosophy and sociology from Spanish universities as CI on the 'Agency, Normativity and Identity' project (2012–14). The project is supported by €44,800, plus a graduate scholarship, from the Spanish Ministry of Innovation and Research. Its aim is to widen the traditional notion of agential autonomy, informing it by a narrative understanding of reasons.

The unit's researchers also made many other contributions to the discipline/wider research base:

**Visiting research positions:** 18 in Europe, USA and the Far East (e.g. via the Erasmus Mundus programme, Chinese Academy of Social Sciences).

**Membership of Research Councils:** AHRC Peer Review College (**Coates**, **Hutto**, **Lippitt**); AHRC Panel Member (**Hutto**).

**University research advisory panels/review boards:** Scientific Board of the Centre for the Study of the Senses (**Coates**); Centre for Embodied, Embedded, Enactive and Ecological approaches to Cognitive Science, Goldsmiths, London (**Hutto**); Centre for Subjectivity Research, Copenhagen;

Disorders and Coherence of the Self, Marie Curie Research Network; Australian Institute for Consciousness Studies; the Merleau-Ponty Circle, USA; Program Committee (2012–14) of the Eastern Division of the American Philosophical Association (**Gallagher**).

**Leading positions in professional subject associations and learned societies:** Co-director of the International Association for Phenomenology and the Cognitive Sciences (**Gallagher**); President (**Moyal-Sharrock**) and Treasurer (**Hutto**) of British Wittgenstein Society; British Philosophical Association Executive (**Larvor**); Royal Institute of Philosophy Executive (**Coates**).

**Editorial positions:** Co-Editor-in-Chief of *Phenomenology and the Cognitive Sciences* (**Gallagher**); Editor, panpsychism section, *PhilPapers* (**Coleman**).

**Editorial board membership (indicative list):** *Social Neuroscience*, *Cognitive Semiotics* (series editor) Palgrave Macmillan, Elsevier *Encyclopedia of Consciousness* (**Gallagher**); *Phenomenology and the Cognitive Sciences*, *Review of Philosophy and Psychology*, *The Philosopher's Magazine* (**Hutto**), *Ars Disputandi* (**Lippitt**), *Oxford Philosophy Handbooks* (**Gallagher**, **Lippitt**); *International Journal for the Study of Skepticism*, *Revista de Filosofia* (**Moyal-Sharrock**).

**Examination of doctorates:** 24 for institutions in Australia, Europe, USA and Canada, and in the UK for King's College, London; Nottingham; Reading; University College, London; and York.

**Organising conferences/scholarly encounters:** In addition to its regular research seminars, the unit has organised over 50 such events during the assessment period, including hosting conferences/workshops for each of its major funded projects. Highlights included the four international conferences of the Phenomenal Qualities Project and two Ethics of Information Warfare workshops. Unit members also co-organised numerous external events, such as the Cultures of Mathematics and Logic conference in Guangzhou (2012) and the International Wittgenstein Symposium at Kirchberg (2013).

**Refereeing publications:** Over 170 reviews for publishers such as CUP, OUP, MIT; general philosophy journals (e.g. *Analysis*; *Mind*); specialist journals (e.g. *British Journal of Aesthetics*; *Wittgenstein-Studien*); and mainstream educational press (e.g. *Times Higher Education*).

**Refereeing academic research proposals:** Unit members have reviewed for AHRC (**Bourne**, **Coates**, **Coleman**, **Hutto**, **Lippitt**); Austrian Science Fund (**Gallagher**, **Hutto**, **Larvor**); Andrew W. Mellon Foundation/ACLS Early Career Fellowship Program; EUROCORES Humanities Review College; European Science Foundation; National Science Council, Taiwan; Swiss National Science Foundation (**Gallagher**); Australian Research Council; British Council; Danish National Research Foundation; European Science Foundation; Israel Science Foundation; National Science Foundation, USA; Netherlands Organization for Scientific Research (**Hutto**); Irish Research Council for Humanities and Social Sciences (**Coates**, **Lippitt**).

**HEI consultancies:** Unit members have been MA external examiners at: Heythrop College (**Coleman**); Swansea (**Moyal-Sharrock**); Cognitive Science, Sussex (**Hutto**).

**Promotion/Tenure Reviews for:** Bentley; Central Florida; George Washington; Keele; Princeton; Simon Fraser; Wollongong (**Hutto**); Fordham, Marquette (**Lippitt**).

**Selected scholarly awards and fellowships:** Gauss Professorship, Göttingen Academy of Sciences; APA Barwise Prize; Fellowship of the Center for Information Policy Research; Fellowship of the World Technology Network; Covey Award (Florida); Humboldt Fellowship, Anneliese Maier Research Award (2012–17); CNRS Research Award (**Gallagher**).

**Invited Keynotes/presentations:** Unit members have given 16 named lectures; over 70 keynotes; over 100 plenaries at venues worldwide; and over 200 other invited inaugural lectures, lecture series, presentations to workshops, and talks to departmental colloquia. Highlights include: workshops on the work of unit members in Dublin, Nijmegen, Berlin, Milan and Lisbon; the Crick Lecture; Prestige Lecture in Science of Information; the SALT and Whitehead Lectures. Unit members have accepted invitations to speak at: Harvard; the Max Planck Institute; New York Academy of Sciences; Royal College of Art, London; School of Visual Arts, New York; and Yale.