



Loughborough
University

Institute of
Advanced Studies

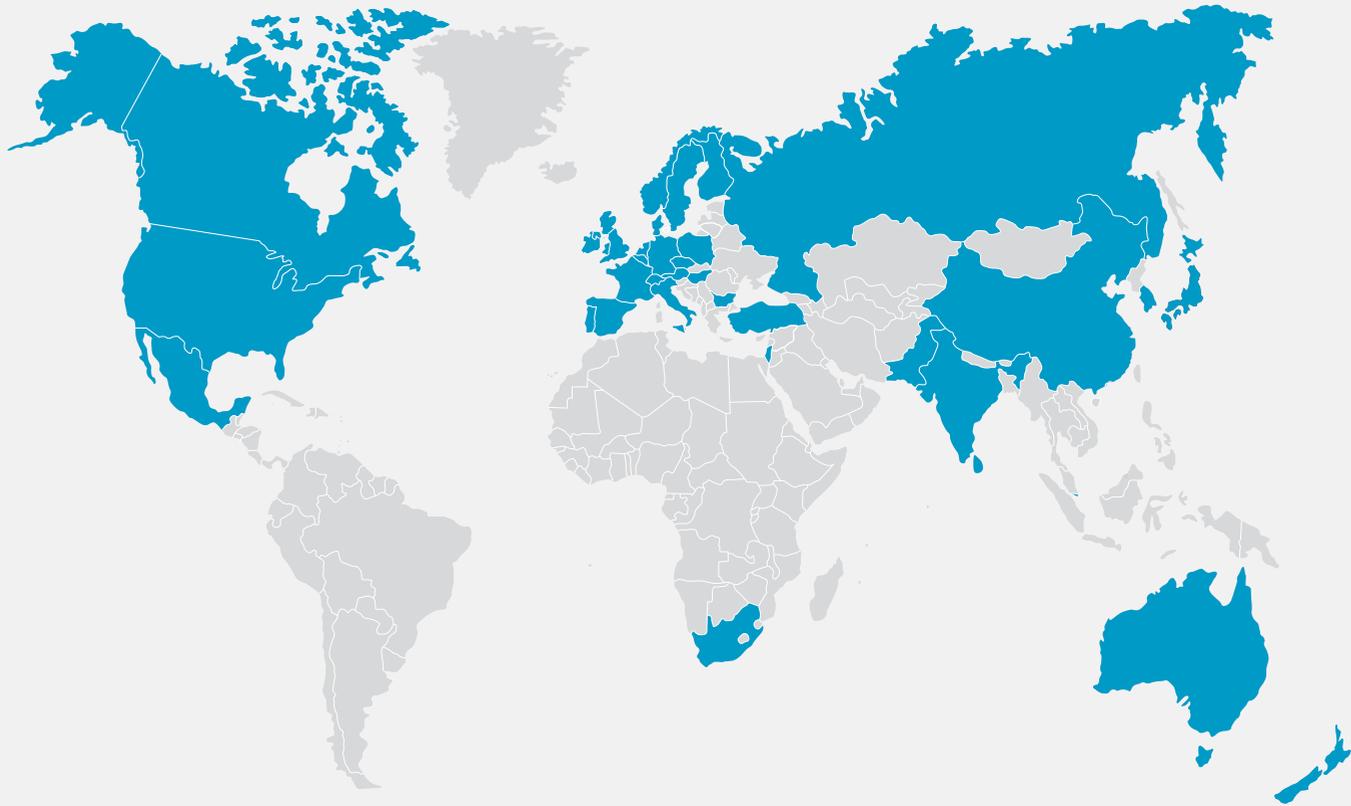
Research Legacy and Impact

March 2020



IAS Legacy in Numbers

May 2017 – March 2020*



32
PUBLICATIONS



4
BOOKS



27
JOURNAL
ARTICLES



1
SPECIAL
EDITION



194
VISITING
FELLOWS



34
COUNTRIES



100%
CONTINUED
COLLABORATION

50%
SUCCESS
RATE

On funding applications including IAS Fellows: 9 successes from 18 applications; 17 pending.
Total funding awarded to date: £2,453,518

*based on an 88% response rate from our Open Programme Hosts and Theme Leads

Introduction

March 2020

Loughborough University's Institute of Advanced Studies (IAS) was established in 2017 as the flagship initiative of the 'Here to Stay' programme of the University's CALIBRE Research framework.

Designed to enhance both established and emergent international research partnerships and projects, the IAS acts as a catalyst and research destination, providing an environment that encourages the development of innovative ideas, dynamic debate and challenging connections through theoretical and practical modes of enquiry.

The IAS brings leading international researchers to Loughborough as Visiting Fellows and organises a wide range of research activities through our annual Themes and through a responsive Open Programme, which facilitates smaller-scale research initiatives.

Between May 2017 and March 2020 the Institute of Advanced

Studies has brought 192 Visiting Fellows to Loughborough University's campuses, from 34 different countries. Our Fellows have engaged with research communities across the University leading to a vast body of legacy arising from their visits, from publications and funding applications to the co-supervision of PhD Students, and international thought leadership activities.

This report celebrates our exciting, wide-reaching and impactful legacy to date, which encompasses a range of outcomes and ongoing momentum in cutting-edge research. We are proud of what we have achieved to date, and very much look forward to the future, including the arrival of our first longer term Residential Fellows from September 2020.

IAS Timeline

September 2016

Professor David Deacon is appointed as the Institute's Inaugural Director

May 2017

The IAS officially launches

September 2017

The IAS launches its inaugural Themes 'Communication' and 'Migration'

August 2018

Professor Marsha Meskimmon is appointed Director of the IAS

October 2018

IAS Themes 'Motion', 'Nation' and 'Geometry' begin

March 2019

International House is opened

August 2019

The IAS establishes its Doctoral Leaders programme

February 2020

The IAS introduces its Residential Fellowship scheme

October 2019

IAS Themes 'Sound' and 'Water' are launched



IAS Themes

IAS Themes bring leading international researchers to the University to work with colleagues in areas of established and emergent research excellence, brought together through the catalyst of the Theme.

Our Themes are selected through a competitive process, and are delivered by a management team comprising colleagues from across disciplines and career stages. Since 2017, the IAS has delivered seven themes (including the current themes Water and Sound), hosting 109 Visiting Fellows to date.



7 themes



109 Fellows



22 Countries



3 successful
funding applications
1 pending



6 publications
3 journal articles, 2 monographs,
1 special edition

2017-2018 Theme Communication

Our Communication Theme was led by Professor John Downey, with Dr Vaclav Stetka, Professor Elizabeth Stokoe and Professor Susan Reid hosting visits through the programme of activity. The Theme built on Loughborough University's established renowned reputation in Communication studies, bringing together scholars from across both of the University's campuses to consider key challenges from different disciplinary perspectives.



Communication Fellows

Professor Barbie Zelizer,
Annenberg School
for Communication,

University of Pennsylvania

Professor Gianpietro Massolini,
University of Milan

Professor Sergio Splendore,
University of Milan

Professor S. Shyam Sundar,
Penn State University

Professor Oksana Sarkisova,
Central European University

Professor Andras Bozoki,
Central European University

Professor Marius Dragomir,
Central European University

Professor Miklos Sukosd,
University of Copenhagen

Professor Daniel Smilov,
University of Sofia

Professor Peter Bajomi-Lazar,
Budapest Business School

Professor Aleks Szczerbiak,
University of Sussex

Dr Sean Hanley,
University College London

Nikola Belakova,
London School of Economics

Dr Pawel Surowiec,
Bournemouth University

Dr Maja Simunjak,
Middlesex, University of London

Dr Vera Slavtcheva-Petkova,
University of Liverpool

Dr Sally Broughton-Micova,
University of East Anglia

Dr Galina Miazhevich,
University of Leicester

Professor David Lyon,
Queens University, Canada

Professor Janet Wasko,
University of Oregon

Professor Pentti Haddington,
University of Oulu

Dr Eric Laurier,
University of Edinburgh

Professor Mathias Broth,
Linköping University

Through bringing world-leading international Scholars to Loughborough the Communication Theme further enhanced the University's reputation in the area, and consolidated key international research networks, particularly with colleagues in North America. During their visits six Fellows recorded 'Loughborough Conversations', where they were invited in discussion with Loughborough academics to relate cutting edge issues within their disciplines to wider contemporary issues.

Communication Theme focus

Media and Illiberal Democracy in Central and Eastern Europe

The 'Media and Illiberal Democracy in Central and Eastern Europe' Workshop, organised by Dr Vaclav Stetka (School of Social Sciences and Humanities) in November 2017 brought 14 academics from the UK and abroad to Loughborough to explore new ways of conceptualizing illiberal democracy in Central and Eastern Europe, examining the impact of emerging authoritarianism on media freedom and pluralism in the region.

Outcomes from the three day event to date include;

- An £800,000 ESRC Project "The Illiberal Turn? News Consumption, Polarization and Democracy in Central and Eastern Europe" 2019-21 (PI – Dr Vaclav Stetka, Co-I – Professor Sabina Mihelj), www.illiberal-turn.eu
- A special issue of the East European Politics journal, "Media and Illiberal Democracy in Central and Eastern Europe" published in March 2020 and edited by Dr Vaclav Stetka and Dr Pawel Surowiec
- Following his participation at the workshop, Professor Andras Bozoki (CEU Budapest) was a panellist for a special event, 'Civil Society vs Illiberal Regimes' organised by the CRCC and convened by Dr Vaclav Stetka in Athens in September 2018, as part of the Athens Democracy Forum (hosted by *The New York Times*).



2017-2018 Theme Migration

Our Migration Theme was led by Professor Darren Smith, with Dr Antonis Vradis and Professor Marsha Meskimmon hosting Fellows through the Theme.

The theme brought Fellows from across disciplines to Loughborough's campus, with a number of high-profile lectures, including Nobel Prize Winner Professor Sir Venki Ramakrishnan, President of the Royal Society, who delivered a talk on 'Migration in Science - implications for post-Brexit Britain' in May 2018.

Migration Fellows

Professor Sir Venki Ramakrishnan,
President of the Royal Society

Professor Danny Dorling,
University of Oxford

Professor Etienne Piguet,
University of Neuchâtel,
Switzerland

Professor Nikos Papastergiadis,
University of Melbourne

Professor Clara Mulder,
University of Groningen

Professor Briget Anderson,
University of Bristol

Professor Chris Hamnett,
Kings College London

Dr Moritz Schramm,
University of Southern Denmark

Professor Anne Ring Petersen,
University of Copenhagen

Dr Sten Pultz Moslund,
University of Southern Denmark

Dr Sabrina Vitting-Seerup,
University of Copenhagen

Dr Anna Meera Gaonkar,
University of Copenhagen

Professor Joe Painter,
Durham University

Dr Hara Kouki,
Durham University

Dr Regina Mantanika,
Université Paris Diderot

Dr Silvia Aru,
University of Amsterdam

Dr Anja Franck,
University of Gothenburg

Dr Polly Pallister Wilkins,
University of Amsterdam

Dr Darshan Vigneswaran,
University of Amsterdam

The Migration Theme brought together strands of Migration research from all Schools at the University through a series of Fellow-focussed events, consolidating key areas of enquiry and establishing and extending international networks in the field of Migration. Four Fellows recorded 'Loughborough Conversations' with their host academic, talking about their research in the context of crucial contemporary issues.

Migration Theme focus

Visionary Migrations

Professor Marsha Meskimmon (School of Social Sciences and Humanities) hosted 6 Fellows through the Theme around the topic of Visionary Migrations.

The visit was extremely fruitful and has led to a number of outcomes including:

- Continued work with Professor Nikos Papastergiadas, Professor Anne Ring Petersen, Dr Moritz Schramm and Dr Sten Pultz Moslund including engagement with two funding applications, to Nordforsk and Novo Nordisk (one successful). Professor Meskimmon will deliver the first keynote in the seminar for the successful Novo Nordisk project Togetherness in Difference: Reimagining Identities, Communities and Histories through Art.
- Two associated publications following the visit: *Art, Borders, and Belonging: On Home and Migration in the 21st Century* (an edited anthology, co-edited with Maria Photiou, forthcoming Bloomsbury) and the first volume of Professor Meskimmon's trilogy on Transnational Feminisms and the Arts, *Transnational Feminisms, Transversal Politics and Art: Entanglements and Intersections* (Routledge, 2020)

2018-2019 Theme

Motion

Motion explored differing concepts of motion, extending beyond individual movement to encompass forms of transportation, assisted living, personal comfort, lifecourse changes, performance and precision engineering. The Theme engaged with diverse disciplines across social sciences, arts and humanities and engineering domains, bringing established and emerging leading international researchers to visit both Loughborough campuses.

Motion was organised around a series of five overlapping sub-themes, designed to catalyse new areas of collaboration with Visiting Fellows:

- Athlete in Motion
- Motion and Human Comfort
- Personal Development in Motion
- Dynamics of Motion
- Intelligent Mobility

The Theme was driven through the Sport and Exercise Beacon and led by Professors Chris Harwood and Vicky Tolfrey, with a 'cross-School, cross-Campuses' management team consisting of Professor Wen-Hua Chen, Dr Holly Collinson, Dr Lauren Sherar, Professor Stephanos Theodossiades, Dr Richard Ferguson and Professor George Havenith.

Motion Fellows

Professor Richard M. Murray,
Caltech

Professor Cora Burnett,
University of Johannesburg

Professor Eleni Chatzi,
ETH Zurich

Professor Paul Wylleman,
Vrije Universiteit Brussel

Dr Bob Kenefick,
U.S. Army Research Institute
of Environmental Medicine

Professor Rory Cooper,
University of Pittsburgh

Professor David Bishop,
Victoria University, Melbourne

Professor Ahmed Shabana,
University of Illinois, Chicago

Professor Umit Ozguner,
Ohio State University

Dr Emiel den Hartog,
North Carolina State University

There have already been a number of key outcomes after the conclusion of the Theme in July 2019, including:

- Prof. Chris Harwood has been awarded the International Chair for 2020 by the Vrije Universiteit Brussel following the visit of Prof Wylleman in February 2019. This work will focus on knowledge exchange and collaboration in the area of psychosocial development in sport
- Prof. David Bishop is acting as external supervisor for a Loughborough PhD student, and collaborated with Dr Richard Ferguson and others on an article due to be submitted in April 2020.
- Professor Cora Burnett collaborated with Dr Holly Collinson and colleagues Dr Steve Swanson and Professor James Skinner on a successful funding application to the International Olympic Committee

Motion Theme focus Intelligent Mobility

Professor Wen-Hua Chen (School of Aeronautical, Automotive, Chemical and Materials Engineering) hosted two Visiting Fellows through the Motion Sub Theme of Intelligent Mobility – Professors Umit Ozguner and Richard Murray. Key developments from these visits include:

- Strong support from both Fellows for Professor Chen's successful ESPRC Established Career Fellowship application (£1,600,000). Professor Murray is named as a key international partner and will host Professor Chen for five month-long secondments at the California Institute of Technology during the grant.
- Professor Ozguner invited Professor Chen to be an Associate Editor of IEEE Transactions on Intelligent Vehicles in his capacity as the Editor-in-Chief of the journal. Professor Chen plans to visit Ohio State University next year to discuss further research collaboration.



2018-2019 Theme Nation

Our Nation theme examined the continuing salience of the nation, both as a cohesive and a divisive register, in shaping the kind of responses people give to specific events. Through its programme of Visiting Fellows, it considered some of the most pressing issues of our times: migration, social cohesion, climate change, and population resilience within the context of national frameworks. The Theme strongly enhanced the international visibility of key research in this area at Loughborough

University, further strengthening existing critical mass organised around the Loughborough University Nationalism Network (LUNN), and supporting new collaborations around emerging projects holding great potential.

The Theme was led by Dr Marco Antonsich, with a management team comprised of Dr Ksenia Chmutina, Professor Sabina Mihelj, Dr Gill Whitely, Dr Dan Sage, Professor Alan Bairner, Professor Emily Keightley, Dr Ella-Mae Hubbard, Professor Ed Brown and Dr Catherine Rees.



Nation Fellows

Professor Susan Brownell,
University of Missouri, St. Louis
Professor Lee Thompson,
Waseda University, Tokyo
Professor J C Gaillard,
University of Auckland,
New Zealand
Professor Jim Watson,
UKERC - University of Sussex
Jonas Staal,
Independent Artist

Trestle Theatre, Theatre Company
Professor Melissa Aronczyk,
Rutgers University
Dr Rita Marcalo,
Independent Practitioner
Professor Purnima Mankekar,
University of California,
Los Angeles
Professor Kathleen Richardson,
De Montfort University

To date since the end of the Nation Theme in July 2019 ongoing legacy and developments include:

- Following a workshop organised around the visit of Professor Melissa Aronczyk, Professor Sabina Mihelj was invited to deliver a guest lecture at Uppsala in May in 2019. Sabina and ESRC Postdoctoral Fellow Cesar Jiminez-Martinez were invited to deliver a paper as part of a panel at the International Communication Association conference, at a panel organised by Melissa Aronczyk. Work is currently ongoing on publications arising from the workshop outcomes.
- Dr Gill Whitely is working with Jonas Staal, Dr Rita Marcalo and colleague Dr Fred Dalmaso on an AHRC funding application
- Dr Ella-Mae Hubbard was invited to a reception at the European Parliament in December 2019
- Professor Ed Brown is collaborating with Professor Watson on a joint research grant proposal to be submitted to DFID
- Dr Catherine Rees is currently developing an AHRC open call bid with Trestle Theatre

Nation Theme focus Disaster Risk Reduction

Dr Ksenia Chmutina (School of Architecture, Building and Civil Engineering) invited Professor JC Gaillard as a Visiting Fellow in January 2019, extending their collaboration around Disaster Risk Reduction. Since Professor Gaillard returned to New Zealand they have continued to work together, with outcomes including:

- A publication leading out of a writeshop they ran for PhD students and post-doctoral researchers
- Dr Chmutina was invited to give a talk at the University of Auckland about using LEGO in teaching and researching disaster risk reduction
- Professor Gaillard and Dr Chmutina are co-organising a session at the IV International Sociological Association's Forum of Sociology, Brazil, in July 2020
- Ongoing work on an ESRC funding application to be submitted in 2020.



2018-2019 Theme Geometry

The IAS Geometry Theme focussed on Geometry as a central pillar of modern science, with applications ranging from within mathematics and theoretical science to geometric design and security. The theme brought renowned experts in various aspects of geometry to Loughborough as Visiting Fellows and participants of workshops and symposia. The Theme was led by Dr Hamid Ahmadinezhad, with Dr Alan Thompson, Professor Alexander Veselov, Dr Elisa Postinghel and Mr Tiago Duarte Guerreiro coordinating workshops.

Geometry International Visiting Fellows

Dr Maksym Fedorchuk,

Boston College

Dr Igor Krylov,

Korean Institute for Advanced Studies

Profesor Leonid Checkov,

Michigan State University

Professor Dr Giovanni Felder,

ETH Zurich

Professor Michael Shapiro,

Michigan State University

Professor Johannes Walcher,

University of Heidelberg

Professor Gerard van der Geer,

University of Amsterdam

Professor Jean-Philippe Furter,

University of Bordeaux

Professor Alexander Kuznetsov,

Steklov Institute Moscow

and HSE, Russia

Dr Konstantin Shramov,

Steklov Institute Moscow

and HSE, Russia

Dr Anton Galaev,

Masaryk University

Dr Stefan Rosemann,

Leibniz University

Professor Jeremy Blanc,

University of Basel

Dr Alberto Calabri,

University of Ferrara

Professor Hanspeter Kraft,

University of Basel

Dr Anne Lonjou,

University of Basel

Dr Karol Palka,

Polish Academy of Sciences

Dr Susanne Zimmerman,

University of Angers

Dr Laurent Buse,

INRIA Sophia Antipolis

Dr Heidi Dahl,

SINTEF, Norway

Dr Carlotta Gianelli,

University of Florence

Dr Ziguan Zhuang,

Massachusetts Institute of Technology.

The Geometry Theme brought together international researchers to establish new and extend existing collaborations through a cluster of five workshops, involving 47 talks by IAS Visiting Fellows. A highlight of the programme activity was the Exhibition 'Inspired by Geometry' in January 2019, driven through work by Dr Artie Prendergast-Smith, Dr James Gardner and Professor Richard Bibb. The exhibition traced the unifying thread of geometric influences that binds together art, design and mathematics. Key outcomes from the Theme so far include two forthcoming publications and development on an EPSRC funding application.

Open Programme

The IAS Open Programme invites applications from academic colleagues to host a short term IAS Visiting Fellow. The remit of the scheme is completely open – we welcome applications to host outstanding scholars from any field or discipline. The scheme enables awardees to initiate or extend research collaborations, raising international connections and profile.

Colleagues from all nine Schools have received Open Programme Funding, and the IAS has brought 83 Visiting Fellows to date to Loughborough's campuses through the programme.



Colleagues from
all 9 Schools



7 Rounds



83 Visiting Fellows



23 Countries



26 Publications



6 Successful
Funding Applications

16 Pending

Open Programme Focus

Dr Goran Vladisavljevic from the School of Aeronautical, Automotive, Chemical and Materials Engineering hosted Dr Nauman Khalid (University of Management and Technology, Lahore) in August 2017. Drs Vladisavljevic and Khalid subsequently published a journal article (2018) and received funding for two different applications: including £78,000 through the NPIF. The research carried out during Dr Khalid's visit attracted a significant interest from OxSyBio Ltd, a company developing 3D printing techniques to produce a range of tissue-like and functional tissues for medical research and clinical applications, with the company investing £50,000 in equipment for Dr Vladisavljevic's group.

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In November 2017, Dr Arianna Maiorani from the School of Social Sciences and Humanities, hosted Professor John Bateman from the University of Bremen, Germany. During his visit, he contributed to research meetings, a networking meeting and a lecture. Since then, intense discussions towards joint publications and research projects have led to a forthcoming book publication (August 2020) and a pending grant application. The Institute of Advance Studies was 'absolutely fundamental' in developing this strong relationship among the academics and the two universities. 'Professor Bateman and I were put in the unique condition of devoting a whole week to research meetings and exchange, which helped us develop our ideas both for individual publications and for joint research' (Dr Ariana Maiorani).

Professor Vicky Tolfrey and Dr Jan van der Scheer (School of Sport, Exercise and Health Sciences) hosted the visit of Fellows Doctor Jan Lexell (Lund University, Sweden), Professor Kathleen Martin Ginis (British Columbia, Canada), Doctor Sonja de Groot (Groningen University, the Netherlands), Doctor Alexandra Rauch (Hochschule Futwangen University, Germany) and Professor Brett Smith (formerly Birmingham University, UK) in October 2017.

With the support of the IAS Professor Tolfrey and Professor Martin Ginis worked with the Fellows to continue developing exercise guidelines for people with a spinal cord injury. These guidelines were launched jointly by researchers from Loughborough University and the University of British Columbia (UBC) at the International Spinal Cord Society (ISCoS) annual scientific meeting in Dublin. Since their launch they have been translated into German, Spanish, Italian, Dutch, and Swedish. The work was awarded the Spinal Cord Readers' Choice Award for best review paper published in 2018 and shortlisted for a Times Higher Leadership and Management 2018 Award.

Two research articles were published after the visit: "Response to correspondence from the ESSA Statement authors. Spinal Cord" (Martin Ginis et al., 2018), and "International SCI Exercise Guidelines Project Group. Development of scientific exercise guidelines for adults with spinal cord injury" (Goosey-Tolfrey, 2018). In addition, articles were also published in lay science magazines, such as *Dwarslaesie Magazine* (Groot & van der Scheer, 2018) and *The Sport and Exercise Scientist Magazine* (BASES) (Goosey-Tolfrey et al., 2018).

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