

Richard de Grijs

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Date of birth: 20 December 1969

h index: 41

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CURRENT MAIN APPOINTMENT

Professor of Astrophysics Kavli Institute for Astronomy & Astrophysics (KIAA) and Department of Astronomy, Peking University (China)	09/2009–PRESENT
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CURRENT HONORARY APPOINTMENTS

Joint professor China West Normal University (Sichuan, China)	09/2016–PRESENT
Visiting professor Qiannan Normal College for Nationalities (Guizhou, China)	05/2015–PRESENT
Discipline Scientist (Astrophysics) International Space Science Institute–Beijing	04/2015–PRESENT
Deputy Editor <i>The Astrophysical Journal Letters</i>	09/2012–PRESENT
Guest professor Shanghai Astronomical Observatory (China)	12/2010–PRESENT
Senior Research Fellow Hughes Hall (<i>prize fellowship</i> , for life) Wolfson College, Cambridge University (UK)	09/2002–PRESENT

PREVIOUS APPOINTMENTS

Associate Director (equivalent to Head of Department within the PKU hierarchy) Kavli Institute for Astronomy & Astrophysics, Peking University (China)	04/2012–12/2013
Reader, Senior Lecturer, Lecturer in Astrophysics Department of Physics & Astronomy, University of Sheffield (UK)	12/2007–02/2010 10/2005–11/2007 06/2003–09/2005 11/2000–05/2003
Research Fellow Institute of Astronomy, University of Cambridge (UK)	
Research Associate Astronomy Department, University of Virginia (USA)	11/1997–10/2000

HONORARY APPOINTMENTS

Visiting Academy Professor (held at Leiden University, Netherlands) Royal Netherlands Academy of Arts and Sciences (KNAW)	02/2013–01/2014
Founding director East Asian regional Office of Astronomy for Development (EA-ROAD), International Astronomical Union (IAU)	08/2012–08/2016
Honorary Reader Department of Physics & Astronomy, University of Sheffield (UK)	03/2010–02/2012
Scientific Editor <i>The Astrophysical Journal</i>	11/2006–08/2012
Visiting professor (distinguished international scholar) Kyung Hee University (Republic of Korea)	04/2011–03/2012
Adjunct Professor Nat'l Astronomical Observatories, Chinese Acad. of Sciences, Beijing (China)	09/2005–08/2009

EDUCATION

Ph.D. in Astrophysics , University of Groningen (Netherlands) Ph.D. Thesis (31 October 1997): <i>Edge-on Disk Galaxies A Structure Analysis in the Optical and Near-Infrared</i> ; <i>Advisers</i> : Prof. P. C. van der Kruit, Prof. R. F. Peletier	1993–1997
M.Phil. (Physics & Astronomy) , University of Groningen (Netherlands) (Dutch “doctorandus”)	1988–1992

PROFESSIONAL AFFILIATIONS

<i>International Astronomical Union (IAU)</i>	2003–PRESENT
• Organizing Committee (OC) member , IAU Commission 37 (<i>Star clusters</i>)	2009–2012
• Vice President (elected), IAU Commission 37	2012–2015
• President (elected), IAU Commission C.H4 (<i>Star clusters</i>)	2015–PRESENT
• Steering Committee member , IAU Division H (<i>Local Universe; ex officio</i>)	2015–PRESENT
• OAD Task Force 1 on “Astronomy for Universities and Research” (invited)	2012–PRESENT
• IAUC55 Working Group on Outreach Professionalization and Accreditation	2012–2015
<i>Institute of Physics (UK)</i>	
• Member (MInstP)	2005–2008
• Fellow (FInstP)	2008–PRESENT
<i>Asian Council of Science Editors</i>	
• Member	2016–PRESENT
<i>American Astronomical Society</i>	2007–PRESENT
• Foreign affiliate (previously Member, 1998–2000)	
<i>Netherlands Astronomical Society</i>	1991–PRESENT
• Foreign member (Regular member until 1997)	
<i>Royal Astronomical Society</i>	2003–2009
• Fellow (FRAS)	
<i>British Association for the Advancement of Science</i>	2005–2010
• Voting member	
<i>Higher Education Academy</i>	2006–PRESENT
• Fellow (FHEA : teaching distinction; Certificate in Learning and Teaching)	
<i>High-level Foreign Expert</i> , State Administration of Foreign Experts Affairs, China	2009–PRESENT
<i>Chinese Astronomical Society</i> (member)	2011–PRESENT
• <i>Beijing Astronomical Society</i> (member)	2011–PRESENT

AWARDS AND NOMINATIONS

2017	(1) Erskine award (fellowship), University of Canterbury, New Zealand (2) Finalist, 2017 Flame Challenge (global science communication award; written category), Alda-Kavli Learning Center for Science Communication, Stonybrook University, New York (USA)
2016	Runner-up, Chang Jiang Chair Professor , Chinese Ministry of Education (highest ministerial honour)
2015	(1) Excellent performance award , Peking University (only one such appraisal was awarded to any of the 18 KIAA faculty and staff members) (2) Outstanding doctoral dissertation award , LI Chengyuan, Peking University (award shared between student and adviser)
2015, 2017	Merit Prize, Asian Scientist Writing Prize , <i>Asian Scientist Magazine</i> /Science Centre Singapore
2015, 2016	Inclusion on the <i>Elsevier/Scopus Most Highly Cited Chinese Scholars in 2014, 2015</i> lists
2014–2015,	Nomination, Top-10 achievement in astrophysics research in China (2013, 2014, 2016)
2017	
2013	Visiting Academy Professor , Royal Netherlands Academy of Arts and Sciences (KNAW)
2012	(1) Royal Astronomical Society Group Achievement Award (Astronomy) , UKIDSS consortium (2) Selby award for excellence in science , Australian Academy of Science
2007	(1) British Association for the Advancement of Science award lecture (2) Exceptional contribution award , University of Sheffield (3) Nomination, National science, engineering and technology (SET) schools outreach award , SETNET (UK government)
2005	Runner-up , Lord Kelvin award lecture, British Association for the Advancement of Science
1998	“Van Swinderen” public outreach award 1997–1998, Royal Netherlands Physical Society

1. PROFESSIONAL RECOGNITION

1.1. INTERNATIONAL COMMITTEES, ADVISORY BOARDS AND CONSULTANCY (SELECTION)

01/2017–PRESENT 2017	Member (nominated, elected), ORCID Board of Directors (3-year term) • Chair , 2018 Board Nomination Committee
03/2016–PRESENT	Member (invited), <i>astroEDU</i> editorial board, International Astronomical Union (IAU)
11/2015–PRESENT	Honorary Editor , <i>Royal Asiatic Society China Journal</i>
03/2014–PRESENT	Member , Thirty Meter Telescope (TMT) International Science Development Teams (ISDTs) on “ <i>The Milky Way and Nearby Galaxies</i> ” and “ <i>Formation of Stars and Planets</i> ” (until 01/2016) • Chair (convener) TMT ISDT on “ <i>Stars, Stellar Physics, and the ISM</i> ”
02/2016–PRESENT	Invited tenure and promotion assessments : Iowa State University (USA), Canadian Research Council (Canada), Radboud University Nijmegen (Netherlands), Australian National University (Australia)
09/2012–PRESENT	
08/2011–PRESENT	Member (invited), Next Generation Canada–France–Hawai’i Telescope (ngCFHT) Science Working Group on <i>Nearby Galaxies and Clusters</i>
05/2010–06/2012	Science team member (invited), GO-IRS instrument development for the <i>GranTeCan</i> telescope
03/2010–PRESENT 2009	Institute of Physics (UK) International Coordinator (representative) for China Member (invited), Science Advisory Committee of the European Virtual Observatory Initiative, Euro-VO (<i>ineffective because of my relocation to China</i>)
08/2009–08/2012	Member (elected), Organizing Committee (OC), IAU Commission 37 (Star Clusters)
09/2012–08/2015	• Vice President (elected), IAU Commission 37
09/2015–PRESENT 2009	• President , IAU Commission H4 (Star Clusters) Member , IAU Editorial Board (<i>ex officio</i> , as editor-in-chief of the proceedings of IAU Symp. 266)
11/2008–01/2010	Guest editor (invited), Editorial Board of <i>Philosophical Transactions A</i> (The Royal Society) for a special theme issue on “ <i>Star clusters as tracers of galactic star-formation histories</i> ”
11/2006–08/2012	Scientific Editor , <i>The Astrophysical Journal</i>
09/2012–PRESENT	• Deputy Editor , <i>The Astrophysical Journal Letters</i>
07/2011–PRESENT	• Int’l Scientific Publishing Advisor to the Editorial Board of the <i>International Journal of MCH & AIDS</i> (MCH: Maternal and Child Health), publishes original papers from authors in low- and middle-income developing countries; http://www.mchandaids.org
04/2007–03/2010	Member (invited), Physics & Astronomy advisory board, Springer Academic Publishers
02/2007–08/2012	Member (invited), Editorial Board of the <i>Communicating Astronomy with the Public</i> journal (http://www.capjournal.org), an electronic-only peer-reviewed journal (IAU)
04/2007–03/2012	Member (invited), International Research and Development Advisory Board of the instrumentation project <i>Astrophysical Multipurpose Software Environment</i> (AMUSE; http://www.amusecode.org), funded by the Netherlands Research School for Astrophysics
01/2006–PRESENT	Work-package manager (Science Verification, star clusters), <i>VISTA near-infrared YJK_s survey of the Magellanic System (LMC, SMC, Bridge and Stream) – VMC</i> , a 184 deg ² , 600 hr public survey with the ESO/VISTA telescope in Chile
03/2003–09/2003	Member (invited), Gemini Observatory working group on second-generation Gemini instrumentation; panel “ <i>Structure and Evolution of the Milky Way and Nearby Galaxies</i> ”
12/2001–01/2005	Member (invited), Astrophysical Virtual Observatory Science Working Group (AVO SWG), a study for the design and implementation of a virtual observatory for European astronomy, led by ESA and ESO with funding from the European Commission
01/2004–01/2005	• Co-Chair , <i>Normal Galaxies</i> working group
05/2001–12/2006	Member (invited), Science Definition Committee for the European Extremely Large Telescope (E-ELT); panel “ <i>Stars and Galaxies</i> ”

1.2. NATIONAL COMMITTEES AND CONSULTANCY (SELECTION)

03/2013–02/2015	Consultant , Beijing University of Chemical Technology, Joint/dual degree establishment with Dutch counterpart universities
Round 2008/2009	Invited to membership of the Science and Technology Facilities Council (STFC)’s postdoctoral and advanced fellowships panel (<i>declined because of conflicting travel schedule</i>)
09/2007–11/2009 02/2006	Member , STFC/AAO Time Allocation Committee for the Anglo-Australian Observatory (AATAC) Invited panel member on a UK government (Office of Science and Innovation/Foreign Office)/Royal Society consultation on funding of scientific networking activities with China, India, South Korea and South Africa
09/2003–08/2006	Member , Particle Physics and Astronomy Research Council (PPARC) Time Allocation Committee for the 3.8m United Kingdom Infrared Telescope, UKIRT
04/2002–12/2012	UKIRT Infrared Deep Sky Survey (UKIDSS): member of the design and implementation teams of the Galactic Plane and Galactic Clusters Surveys

1.3. INVITED LECTURE COURSE AND CONFERENCE CONTRIBUTIONS (SELECTION)

1.3.1. Invited post-graduate lecture courses and workshops

- 04–06/2017 *Erskine* lecture course on "Distance Measurement in Astronomy" (15 hours + 5 hours of tutorials), University of Canterbury (New Zealand)
- 09/2016 5th Byurakan Int'l Summer School (4 hours), Byurakan Astrophysical Observatory, Yerevan, Armenia
- 07/2015 International summer school on "The Extragalactic Distance Scale" (3 hours), Tokyo, Japan
- 08/2014 International summer school on "Binary systems, their evolution and environments" (6 hours), National University of Mongolia, Ulaanbaatar (Mongolia)
- 12/2013 Postgraduate workshop on "International Collaboration in Research" (2×3 hours), Waseda University, Tokyo (Japan)
- 11/2013 Postgraduate workshop on "International Collaboration in Research" (3 hours), Huazhong University of Science and Technology (Tongji Medical College), Wuhan (China)
- 09–10/2013 Postgraduate course on "Distance Measurements in Astronomy" (28 hours), Leiden University (Netherlands)
- 08/2013 Postgraduate workshop on "Writing Academic Articles in English" (3 hours), Pohang University of Science and Technology (Republic of Korea)
- 02/2013 Guest lecturer, interuniversity course on computational astrophysics, Utrecht (Netherlands)
- 10–12/2011 Invited post-graduate lecture course on "Distance Measurement in Astronomy" (28 hours), Kyung Hee University (Republic of Korea)
- 10/2011 *Observational Astronomy Summer School 2011* (4 hours on technical aspects of telescopes, instruments and detectors), KIAA/Peking University (China)
- 09/2010 Invited **keynote lecture** at the closing ceremony of the International Olympiad in Astronomy and Astrophysics, Beijing (China)
- 01/2010 Invited post-graduate lecture course on "Advanced Topics in Contemporary Star Cluster Research" (3 lectures), Université Laval, Québec City (Canada)
- 12/2009 Invited educational programme facilitation (4 lectures and nighttime observations), Cunard Lines (*Queen Mary 2*)
- 05/2009 Invited post-graduate lecture course on "Advanced Topics in Contemporary Star Cluster Research" (4 lectures), Institute for Theoretical Physics and Mathematics/Sharif University, Tehran (Iran)
- 01/2008 Invited post-graduate lecture course on "Advanced Topics in Stellar Evolution: Galaxy and Star Cluster Evolution" (10 lectures), Yunnan Astronomical Observatory, Chinese Academy of Sciences (CAS), Kunming (China)
- 09/2006 **Distinguished international lecturer**, post-graduate course on "Advanced Topics in Stellar Evolution: Galaxy and Star Cluster Evolution" (10 hours), Nat'l Astron. Obs., CAS, Beijing (China)

1.3.2. Invited talks at international conferences (with PKU affiliation)

- 02/2017 (1) "Frontiers in Theoretical and Applied Physics", American University of Sharjah, UAE; **invited speaker**; (2) Workshop on *Active Galactic Nuclei and Galaxy Evolution*, KIAA/Peking University, Beijing, China; **invited speaker, SOC member**
- 12/2016 8th Korea–China–Kazakhstan Workshop on *Stellar Dynamics and Related Fields*, Kunming, China; **invited speaker, session chair**
- 11/2016 (1) "22nd Los Alamos Stellar Pulsation Conference", San Pedro de Atacama, Chile; **invited review speaker** (declined); (2) "Sino–European Research Conference", European Union Delegation to China, Beijing, China; **keynote speaker**, workshop organizer, panel chair, competition judge
- 10/2016 "Sino–Europe Forum on Education Policy Think Tanks", National Center for Education Development Research (Ministry of Education), Beijing, China; **invited speaker**
- 09/2016 70th Anniversary Conference, Byurakan Astronomical Observatory, Yerevan, Armenia; **invited speaker, session chair**; official welcome on behalf of the International Astronomical Union
- 05/2016 "Astronomical Distance Determination In The Space Age", International Space Science Institute–Beijing, China; **SOC chair, invited speaker**
- 03/2016 3rd Regional coordinators conference, Office of Astronomy for Development, Cape Town, South Africa; **invited senior partner**
- 01/2016 American Astronomical Society Winter Meeting 2016, **session chair**, Kissimmee, FL (USA)
- 12/2015 International Conference on Science and Civilization on the Silk Roads, Urumqi (Xinjiang, China); **invited speaker**
- 09/2015 Chinese Physical Society annual conference, Changchun (Jilin, China); **keynote speaker**
- 08/2015 (1) "The Milky Way: Disk and open clusters", **invited review**, Delingha (Qinghai, China)
(2) "Formation, Evolution and Survival of Massive Star Clusters", IAU Symposium 316, IAU XXIXth General Assembly, Honolulu HI, USA; **invited review, discussion chair**
- 05/2015 KIAA/Shanghai Astronomical Observatory bilateral science meeting, **SOC member, session chair**, Beijing (China)

04/2015	"Gamma-ray bursts: A tool to explore the young Universe", International Space Science Institute–Beijing, invited review on <i>Galactic Archaeology</i>
03/2015	"MODEST-15 – Modelling and Observing Dense Stellar Systems in Chile", invited speaker, session chair , Concepción, Chile
01/2015	American Astronomical Society Winter Meeting 2015, session chair , Seattle, WA (USA)
11/2014	(1) International Space Science Institute–Beijing Forum, invited participation , Beijing (China) (2) "International Symposium on the Sino–French Geodetic Survey of the Qing Empire in the 18 th Century", invited talk, session chair , Sanya (Hainan), China
09/2014	"Binary Systems, their Evolution and Environments", SOC chair, opening talk , Ulaanbaatar (Mongolia)
08/2014	Asia/Pacific Rim regional IAU meeting, Daejeon (Republic of Korea), invitation to organize a session on Astronomy for Development (declined)
06/2014	"MODEST-14 – The dance of stars: dense stellar systems from infant to old", invited speaker, session chair , Bad Honnef (Germany)
01/2014	American Astronomical Society Winter Meeting 2014, Chambliss poster award judge, invited lecturer at a "Workshop for Journal Authors and Referees" , Washington, DC (USA)
08/2013	Korean Council of Science Editors workshop on <i>Publication Ethics</i> , invited mini-workshop (3 lectures), Seoul (Republic of Korea)
06/2013	(1) "Lin–Shu Symposium: 50 Years of Spiral Density Waves", Beijing (China) (2) "Small Stellar Systems in Tuscany: From Globular Clusters to Dwarf Galaxies and Everything in Between", Prato (Italy)
03/2013	"Dissecting Galaxies with 2D Wide-Field Spectroscopy", session chair , Lijiang (China)
02/2013	Institute of Physics (IoP) International Coordinators meeting, London (UK), review of the year in Chinese IoP coordination
01/2013	(1) Third Telescope Access Program conference, Beijing (China), session chair (2) American Astronomical Society Winter Meeting 2013, Chambliss poster award judge, career advisors' panel member , Long Beach, CA (USA)
11/2012	"Star Formation and Its Environment in the Center of Galaxies", Academia Sinica Institute of Astronomy and Astrophysics (ASIAA)/National TsingHua University, invited participation , Hsinchu, Taiwan (declined due to conflicting schedule)
08/2012	(1) "Workshop for journal authors and referees", IAU General Assembly 2012, invited coordination as representative of <i>The Astrophysical Journal</i> ; (2) "Advancing the physics of cosmic distances", IAU Symposium 289 (IAU General Assembly 2012), introduction to the Symposium and of the plenary keynote speaker, summary talk, SOC chair , Beijing (China)
07/2012	"Stellar populations 55 years since the Vatican Conference", Symposium 6 of the European Week of Astronomy and Space Science, SOC co-chair, session chair and invited talk , Rome (Italy)
05/2012	(1) "Shanghai Astronomical Observatory Astrophysics Symposium 2012", invited talk , Shanghai (China); (2) "EU–China Research Collaborations Through people-to-People Exchanges", 2 nd Science and Technology Fellowship conference, invited expert , Beijing (China)
01/2012	Beijing–Guangzhou–Xiamen Astrophysics Meeting, Xiamen (China)
12/2011	"Office of Astronomy for Development inaugural stakeholders conference", invited participant , Cape Town (South Africa)
11/2011	2011 UN Peace BAR (Beautiful, Affluent, Rewarding) Festival: "The Body and Catastrophe: Towards a New Utopia" (in celebration of the 30 th anniversary of the United Nations' International Day of Peace), invited panelist , Kyung Hee University, Seoul (Republic of Korea)
10/2011	Korean Astronomical Society Fall 2011 Meeting, invited plenary keynote speaker , Jeju Island (Republic of Korea)
05/2011	<i>Stellar Clusters and Associations: A RIA Workshop on Gaia</i> , invitation to lead a plenary discussion on "Birth, Evolution and Death of Stellar Clusters", Granada (Spain)
03/2011	1 st Science and Technology Fellows Conference, "EU–China Research: A New Approach", invited expert , Beijing (China)
01/2011	American Astronomical Society Winter Meeting 2011, session chair , Seattle (USA)
11/2010	EANAM (East Asian Numerical Astrophysics Meeting) 2010, invited talk , Taipei (Taiwan)
10/2010	Fessenkov Readings, "Contemporary astrophysics: traditions and perspectives", dedicated to the 60 th anniversary of the Fessenkov Astrophysical Institute, invited talk and programme committee member (by invitation), Almaty (Kazakhstan)
09/2010	"MODEST-10 (Modelling Dense Stellar Systems 2010)", review talk, discussion leader, panel member and SOC member , KIAA/NAOC, Beijing (China)
07/2010	"Compact super star clusters: birth, evolution and feedback", Guillermo Haro workshop 2010, review talk, day chair and SOC member , Puebla (Mexico)
04/2010	"From Stars to Galaxies", introduction, session chair , University of Florida, Gainesville (USA)
11/2009	"UK–China–Netherlands Frontiers of Science Symposium" (Royal Society, Netherlands and Chinese Academies of Sciences), SOC member, session organizer , Beijing (China)
08/2009	"Star Clusters – Basic Galactic Building Blocks throughout Time and Space", IAU Symposium 266 (IAU General Assembly 2009), review talk, SOC chair , Rio de Janeiro (Brazil)

1.4. CONFERENCE ORGANISATION

09/2017	Scientific Organizing Committee (SOC) co-chair , "Stellar Populations and the Distance Scale" (in honour of Jeremy Mould), KIAA/Peking University, China
02/2017	SOC member , "KIAA–PUC bilateral workshop on Active Galactic Nuclei and Galaxies", Peking University, China
09/2016	SOC member/lecturer , 5 th Byurakan International Summer School, Armenia
05/2016	SOC Chair , "Astronomical Distance Determination in the Space Age", International Space Science Institute–Beijing, China
08/2015	SOC member , IAU Symposium 316 at the XXIX th IAU General Assembly on the "Formation, evolution, and survival of massive star clusters", Honolulu (Hawaii, USA); also SOC member of a topical session on "Stellar physics in galaxies throughout the Universe"
05/2015	SOC member , KIAA/Shanghai Astronomical Observatory bilateral meeting, Beijing (China)
09/2014	SOC Chair of a conference on "Binary Systems: Their Evolution and Environments", Ulaanbaatar (Mongolia)
08/2012	Chair , SOC of IAU Symposium 289 at the XXVIII th IAU General Assembly on "Advancing the physics of cosmic distances", Beijing (China); co-chair G. Bono
07/2012	Co-chair (invited), SOC of Symposium 6 at the European Week of Astronomy and Space Science 2012: "Stellar Populations 55 years after the Vatican Conference", Rome (Italy), co-chair: G. Bono
10/2010	Programme committee member (invited), Fessenkov Readings – "Contemporary astrophysics: traditions and perspectives", Almaty (Kazakhstan)
09/2010	SOC member (initiator) , MODEST-10 (<i>Modelling Dense Stellar Systems</i>), Beijing (China)
07/2010	SOC member (invited), Guillermo Haro workshop 2010, "Compact super star clusters: birth, evolution and feedback" (30 delegates, invitation-only), Tonantzintla (Puebla), Mexico
11/2009	SOC member (invited) of a UK–China–Netherlands trilateral <i>Frontiers of Science</i> meeting (Royal Society / Chinese Academy of Sciences / Royal Netherlands Academy of Science [KNAW]): responsible for sessions on astrophysics and science policy, Beijing (China)
08/2009	SOC chair of IAU Symposium 266 at the XXVII th General Assembly on "Star Clusters: Basic Galactic Building Blocks throughout Time and Space", (> 350 delegates) Rio de Janeiro (Brazil), co-chair J. R. D. Lépine; proceedings editors: R. de Grijs and J. R. D. Lépine
08/2008	SOC member , "Star Cluster Formation: from Taurus to the Antennae", Sheffield (UK)
10/2006–02/2010	Scientific Advisory Committee chair of an annual series of European star cluster workshops (<i>I initiated the idea for this series</i>);
09/2007	Co-chair of the SOC of the conference on "Young massive star clusters – Initial conditions and environmental impact" (60 delegates), Instituto de Astrofísica de Andalucía (Granada, Spain), proceedings editors: E. Pérez, R. de Grijs & R. M. González Delgado
07/2007	SOC member , "12 Questions on Star and Massive Star Cluster Formation", ESO Garching (Germany)
11/2006	Chair/organiser , MODEST-7d: UK–China Science Network/International Joint Project (Sheffield-Bonn) workshop on "The dynamics of star clusters and star cluster systems", Sheffield, UK (25 participants)
06/2006	Co-organiser/funding PI of a UK–China Science Network workshop on "The internal dynamics of dense star clusters", Nan'chong (Si'chuan), China (30 participants)
01/2006	Chair , Royal Astronomical Society meeting, "Life and Death of Star Clusters", London (UK)
07/2005	SOC member of the "Island Universes: Structure and Evolution of Disk Galaxies" conference, Terschelling (Netherlands)
09/2004	SOC chair of the conference "Starbursts – From 30 Doradus to Lyman break galaxies", Cambridge, UK (195 delegates); proceedings editors: R. de Grijs & R. M. González-Delgado
07/2004	SOC member of the Guillermo Haro workshop on "Violent Star Formation and the Legacy Tool", INAOE, Puebla (Mexico)
06/2003–08/2006	Colloquium chair , Department of Physics & Astronomy, University of Sheffield (UK); astronomy colloquia
09/2002–06/2003	Cambridge Deputy , European Association for Research in Astronomy (EARA)
04/2003	• Organizer , EARA workshop, "Star Formation in Dwarf Galaxies", Cambridge
09/1998–07/2000	Co-organizer of weekly University of Virginia (UVA)/National Radio Astronomy Observatory (NRAO) Astronomy science lunch talks, and of the annual NRAO/UVA <i>Jansky Symposium</i>

1.5. M.SC., PH.D. THESIS AND POSTDOC ASSESSMENT

05/2017	Ph.D. reading committee member of LIU Yiqing (Peking University, China): <i>The Star Formation Histories of Early-type Galaxies and Their Environmental Dependence</i> ; supervisor: E.W. Peng
09/2016–PRESENT	Ph.D. supervisor of REN Fangzhou (Peking University, China): <i>Eclipsing binary systems in the KISO-GP Survey</i> ; co-supervisor: L. Deng (NAOC)
05/2016	(1) Ph.D. reading and defense committee member of the Ph.D. thesis of WANG Long (Peking University, China): <i>Long-term dynamical evolution of globular clusters</i> ; supervisors: M.B.N. Kouwenhoven, R. Spurzem (2) Ph.D. committee member of the Ph.D. thesis of Maxwell CAI (UCAS, China): <i>Dynamical evolution of planetary systems in star clusters</i> ; supervisors: R. Spurzem, M.B.N. Kouwenhoven
12/2015	Ph.D. committee chair of the Ph.D. thesis of ZHENG Xiaochen (Peking University, China): <i>The dynamical fate of planetary systems: affected by environmental and internal factors</i> ; supervisors: M.B.N. Kouwenhoven, D.N.C. Lin
07/2015	Ph.D. supervisor of SUN Ning-Chen (Peking University, China): <i>The star cluster–field star connection in the Magellanic Clouds</i>
06/2015	(1) Ph.D. committee chair of the Ph.D. thesis of LI Biao (Peking University, China): <i>The dynamics of stars and globular clusters in low-mass early-type galaxies</i> ; supervisor: E.W. Peng (2) Ph.D. reading and defense committee chair of the Ph.D. thesis of LI Yun (Peking University, China): <i>The dynamical evolution of disc-fragmented multiple systems</i> ; supervisor: M.B.N. Kouwenhoven
05/2015	Assessment committee member of postdoctoral/KIAA/LAMOST fellowship research projects, CHEN Bingqiu, Alberto Rebassa-Mansergas, Nahely Flores Fajardo and YUAN Haibo
03/2015	External assessor of Ph.D. thesis of R. Randriamanakoto (University of Cape Town, South Africa): <i>Formation of young massive star clusters: A high-resolution, multi-wavelength study of intensely star-forming galaxies</i> ; supervisor: P. Väisänen
09/2014–PRESENT	Ph.D. supervisor of MA Chao (Peking University, China): <i>Star cluster evolution in circumnuclear starburst rings</i> ; co-supervisor: L.C. Ho (PKU)
10/2013	(1) External examiner of Ph.D. thesis of Steven Rieder, Leiden University (Netherlands): <i>The Clustered Universe</i> , supervisor: S. Portegies Zwart (2) External examiner of Ph.D. thesis of Maryam Shirazi, Leiden University (Netherlands): <i>Nearby and distant star-forming galaxies as seen through emission lines</i> , supervisor: J. Brinchmann
06/2013	External assessor of Ph.D. thesis of Juan P. Madrid (Swinburne University of Technology, Australia): <i>Structural parameters of compact stellar systems</i> ; supervisor: J. Hurley
12/2012	Assessment committee member of M.Sc. thesis research of LIU Chuanwu (Peking University, China): <i>Dynamical evolution of rotating star clusters with primordial binaries</i> ; supervisors: R. Spurzem, M. B. N. Kouwenhoven
09/2012–06/2016	Ph.D. supervisor of CHEN Xiaodian (Peking University, China): <i>Open cluster variables as distance tracers</i> ; co-supervisor: L. Deng
06/2012	Chair, M.Sc. thesis committee of HAO Wei (Peking University, China): <i>The cumulative effect of distant stellar encounters on multi-planet systems in star clusters</i> ; supervisor: M.B.N. Kouwenhoven
08/2011	Assessment committee member of postdoctoral/KIAA fellowship research projects of Stephen Justham, Matthias Gritschneider and Rubén García-Benito
09/2011–06/2015	Ph.D. supervisor of LI Chengyuan (Peking University, China): <i>Not-so-simple stellar populations in massive star clusters</i>
02/2011	Faculty opponent of Ph.D. thesis of Angela Adamo, Stockholm University (Sweden): <i>Super Star Clusters in Blue Compact Galaxies: Evidence for a near-infrared flux excess</i> ; supervisor: G. Östlin
09/2010–06/2013	M.Sc. supervisor of WANG Song (Yunnan Astronomical Observatory, China): <i>The VISTA Survey of the Magellanic Clouds</i> ; co-supervisor: Z. Han
09/2010–05/2014	M.Sc. supervisor of LI Shuo (Peking University, China): <i>The M82 star cluster population revisited</i> (Ph.D. to M.Sc. transfer)
04/2010	External examiner of postdoctoral research project of Yinghe ZHAO, Purple Mountain Observatory (Nanjing, China); <i>Chemical and star-formation properties of blue compact dwarf galaxies</i> ; supervisor: Y. Gao
06/2009	External examiner of Ph.D. thesis of Remco Scheepmaker, Utrecht University (Netherlands): <i>Star clusters in the Whirlpool galaxy</i> ; supervisors: H. J. G. L. M. Lamers, S. S. Larsen
10/2008	External examiner of Ph.D. thesis of Michelle Lanyon-Foster, University of Nottingham (UK): <i>Exploring Galaxy Formation Across and Beyond the Hubble Sequence</i> ; supervisors: C. J. Conselice and M. R. Merrifield

07/2008	External examiner of Ph.D. thesis of Mark Norris, Durham University (UK): <i>The Formation of Early-Type Galaxies</i> ; supervisor: R. Sharples
10/2007–12/2010	Ph.D. supervisor of Richard Allison, University of Sheffield (UK): <i>The importance of primordial mass segregation in star clusters</i> ; co-supervisor: S. P. Goodwin (STFC funded)
08/2007–05/2012	Ph.D. supervisor of YU Jin-Cheng, Shanghai Astronomical Observatory (China): <i>Primordial mass segregation and star-formation efficiencies in young open clusters</i> ; co-supervisor: L. Chen (CAS funded)
06/2007	External examiner of Ph.D. thesis of Avon Huxor, University of Hertfordshire (UK): <i>Star Clusters in the Halo of M31 and Their Implications for Galaxy Evolution</i> ; supervisor: N. R. Tanvir
10/2006	External examiner of Ph.D. thesis of Mark Gieles, Utrecht University (Netherlands): <i>Star Clusters</i> ; supervisors: H. J. G. L. M. Lamers and S. Portegies Zwart
09/2005	Internal examiner of Ph.D. thesis of William Feline, University of Sheffield (UK): <i>ULTRA-CAM photometry of eclipsing cataclysmic variable stars</i> ; supervisor: V. S. Dhillon
02/2005–01/2011	Ph.D. supervisor of (i) LIU Qiang and (ii) HU Yi at the National Astronomical Observatories of China, Beijing: <i>observational and modelling aspects related to The Evolution and Dynamical Importance of Binary Systems in Compact Star Clusters</i> ; co-supervisor: L. Deng (CAS funded)
04/2005	External examiner of Ph.D. thesis of Nathan J. Bastian, Utrecht University (Netherlands): <i>Studies on the formation, evolution and destruction of massive star clusters</i> ; supervisors: H. J. G. L. M. Lamers and M. Kissler-Patig
10/2004–10/2008	Ph.D. supervisor of Sarah L. Moll, University of Sheffield (UK): <i>Formation and survival of compact star clusters in galaxy mergers</i> ; second supervisor: P. A. Crowther (PPARC funded)
09/2003	External examiner of Ph.D. thesis of Simon Coggins, University of Nottingham (UK): <i>Gravitational redshifts and the mass distributions of galaxies and clusters</i> ; supervisor: M. R. Merrifield
02/2003–07/2007	Ph.D. supervisor of Thomas Lilly, University of Göttingen (Germany): <i>Exploring the formation histories of galaxies – Globular clusters and beyond</i> ; co-supervisor: U. Fritze (DFG funded)
12/2001–02/2006	Ph.D. supervisor of Peter Anders, University of Göttingen (Germany): <i>Star cluster systems in starburst galaxies</i> ; co-supervisor: U. Fritze (DFG funded)
05/2002	External examiner on Ph.D. thesis panel of Geneviève Parmentier, Univ. Liège (Belgium): <i>The formation and self-enrichment of halo globular clusters</i> ; supervisors: A. Noels, P. Magain

2. RESEARCH

While employed in the UK (2000–2010), I was awarded ~ £ 310,000 directly for research grants as Principal Investigator (PI). I have been successful in applying for major research grants from the Particle Physics and Astronomy Research Council (defunct)/Science and Technology Facilities Council (annual rounds of grant applications; numerical success rate < 10%), the Royal Society (which selected me as one of a limited number of scientists supported to set up a high-profile UK–China science network), the British Council (to initiate a UK–Korea network), and other charities in the UK and Europe. *My grant income in China has been limited to grants foreign PIs are eligible to apply for, precluding me from embarking on more ambitious projects.*

My successful contribution to the research standing of the Department of Physics & Astronomy at the University of Sheffield (UK) led to a University **Exceptional Contribution Award** (awarded to < 5% of staff) for the academic year 2006/2007. In 2015, Peking University awarded me an **Exceptional Performance award**, implying a top-5% performance that year.

Important note: I am a founding member of the *VISTA Survey of the Magellanic Clouds* (VMC), the *VISTA Variables in the Via Láctea* (VVV) survey and the *UKIRT Infrared Deep Sky Survey's* (UKIDSS) *Galactic Plane Survey* (GPS). As such, I have access to more new data than I can deal with, even with my students and postdocs.

2.1. RESEARCH GRANTS AND CONTRACTS (SELECTION)

2017–2020	National Natural Science Foundation of China (NSFC) – Key Project grant (co-PI): <i>CNY 3.1M</i>
2017–2019	NSFC – Joint NSFC/Chinese Academy of Sciences grant (PI): <i>CNY 500,000</i>
2017	Erskine award (fellowship), University of Canterbury (New Zealand): <i>NZ\$ 10,000</i>
2015–2016	International Space Science Institute–Beijing workshop grant, <i>Astronomical distance determination in the space age</i> , <i>€ 35,000</i>
2014–2017	NSFC – Standard grant (PI): <i>CNY 900,000</i>
2014–2016	NSFC – Public Understanding of Science grant (PI): <i>CNY 400,000</i>
2013	Visiting Academy Professorship , Royal Netherlands Academy of Arts and Sciences (KNAW): <i>€ 13,000</i>
2012	International Astronomical Union, Office of Astronomy for Development (Task Force 1: Universities and Research): <i>€ 5,600 + € 5,000</i> (regional office start up)
2012	Australian Academy of Science – Selby award : <i>AU\$ 10,000</i>
04/2011–03/2012	Kyung Hee University (Republic of Korea) – Distinguished international visiting professor award (World Class Universities programme): <i>KRW 43,000,000 ≈ US\$ 37,000</i>
2011–2013	NSFC – Standard grant (PI): <i>CNY 500,000</i>
2010	NSFC – Director's Discretionary grant (PI): <i>CNY 100,000</i>
2009–2012	STFC – Visitors grant for the Astrophysics Group at Sheffield [ST/G001634/1] (PI): <i>£ 10,135</i>
2009	International Astronomical Union (IAU), grant to organise a Symposium at the XXVII th IAU General Assembly (PI/chair) on " <i>Star Clusters: Basic Galactic Building Blocks throughout Time and Space</i> ", Rio de Janeiro (Brazil): <i>US\$ 25,000</i>
2008–2011	Korean Science and Engineering Foundation (KOSEF), Cooperative research grant – employing a postdoctoral researcher for three years at Kyung Hee University (Republic of Korea) on " <i>Building galaxies: star clusters as fundamental galactic building blocks</i> " (co-PI with S. S. Kim, Kyung Hee University, Republic of Korea): <i>US\$ 60,000</i>
2008–2010	British Council, Prime Minister's Initiative 2, <i>Building galaxies: star clusters as fundamental galactic building blocks</i> , UK–Korea Research Co-operation Award (PI , with Prof. S. S. Kim, Kyung Hee University, Republic of Korea): <i>£ 34,448</i>
2007–2008	Royal Society International Incoming Fellowship from China: funding for a post-doctoral research associate (PDRA) from China for 12 months (tax-free stipend and research expenses; non-fEC; PI): <i>£ 18,200</i> (fEC: full economic costing)
2007–2009	Royal Society grant for an International Joint Project between the University of Sheffield and the National Astronomical Observatories (Chinese Academy of Sciences, China), on " <i>Evolution and Dynamical Importance of Binary Systems in Compact Star Clusters</i> " (PI): <i>£ 10,200</i>
2007–2008	Engineering and Physical Sciences Research Council (EPSRC) Partnership for Public Awareness grant, EP/E03344X/1, " <i>Research Physicists Encouraging Outreach in Primary Schools</i> " (co-I; PI G. Gehring, Sheffield; incl. fEC): <i>£ 79,876</i>
2007–2008	Leverhulme Trust grant for a Visiting Professorship at the University of Sheffield for Prof. Pavel Kroupa, University of Bonn, Germany (co-I; PI S. Goodwin, Sheffield): <i>£ 8,500</i>
2006–2008	Royal Society grant for an International Joint Project between the Universities of Sheffield and Bonn (Germany), on " <i>Multiple star formation and the dynamics of star clusters</i> " (co-I; PI S. Goodwin, Sheffield): <i>£ 9,400</i>
2006–2007	International Space Science Institute (ISSI, Switzerland) – International Team grant, " <i>Star</i>

	<i>Cluster Formation and Evolution in the Context of the Quiescent versus Violent Star Formation Paradigm</i> (PI): CHF 15,000
2006	Royal Society/Office of Science and Innovation; UK–China Science Network follow-up grant to organise two workshops of a week each, in China and in the UK (PI): £ 8,975
2006–2009	PPARC – Grant to hire a PDRA for 35 months on <i>"From young super star cluster to old globular: robust star cluster survival rates"</i> [PP/D002036/1] (PI; before FEC): £ 155,157
2006–2009	PPARC – Visitors grant for the Astrophysics Group at Sheffield [PP/D002044/1] (PI): £ 9,457
2006–2009	PPARC – Astronomical Computing at Sheffield [PP/D002052/1] (co-I): £ 28,348
2005–2006	University of Sheffield, Learning and Teaching Development Grant [CD0685], <i>"A movie story: orbits, dynamics and disruption of globular star clusters in and around the Milky Way"</i> (PI; awarded in person days): equivalent to £ 12,000
2005–2006	EPSRC Partnership for Public Awareness grant [EP/C531779/1], <i>"Research Physicists Supporting Primary Science"</i> (co-I; PI G. Gehring, Sheffield): £ 25,749
2004–2005	International Space Science Institute (ISSI, Switzerland) – International Team grant (PI), <i>"Life and Death of Star Clusters"</i> : CHF 15,000
2004–2006	Nuffield Foundation – Newly Appointed Lecturers award (in Science, Engineering and Mathematics) (PI): £ 3,400
2003	Royal Society – Research Grant (PI): £ 4,596

2.2. OBSERVING TIME ON MAJOR FACILITIES THROUGH PEER-REVIEWED COMPETITION (EXCL. SURVEY PROJECTS)

2016B	Las Cumbres Observatory Global Telescope Network (1 m), <i>"Completion of LCOGT photometric measurements of new classical Cepheids"</i> (PI); 25 hours
HST	NASA/ESA – Hubble Space Telescope GO-14727 (co-I; PI P.-A. Duc): <i>"Probing super star cluster formation in the most favorable environments: the metal-enriched, gas-rich and turbulent collisional ring of NGC 5291"</i> ; 8 orbits
2016A	(1) Las Cumbres Observatory Global Telescope Network (1 m), <i>"LCOGT photometric measurements of new classical Cepheids"</i> (PI); 20 hours (2) Xinglong 2.16m telescope (China), <i>"A population study of stellar rotation rates: Proof-of-concept study"</i> (PI); 2 nights (BFOSC) (3) Xinglong 80/85 cm telescopes (China), <i>"Photometric measurements of new classical Cepheids in the northern Galactic disk"</i> (PI); 20 nights
2010A–2012A	Bohyunsan Astronomical Observatory (Republic of Korea) – 1.8m telescope + KASINICS (co-PI): long-term programme on <i>"Light Curve Templates in the Near-IR: Towards Automated Classification of VVV Light Curves for Cataclysmic Variable Stars"</i> ; 10–15 nights per semester: • 22/06–04/07/2010, 24–26 and 29–30/09/2010, 14–20/10/2010, 26–31/03/2011, 14–17/10/2011, 12–15/11/2011, 11–14/05/2012
2010.1	South African Astronomical Observatory – 1.9m telescope time award, 2010.1.01 (PI), <i>"Quantifying the importance of the ubiquitous blue straggler stars for age and metallicity determinations of unresolved star clusters"</i> ; 14 nights
2009.1	South African Astronomical Observatory – 1.9m telescope time award, 2009.1.03 (PI), <i>"Quantifying the importance of the ubiquitous blue straggler stars for age and metallicity determinations of unresolved star clusters"</i> ; 7 nights
2008A	Joint Astronomy Centre (Hawaii) – UKIRT telescope time award, UKIRT/08A/20 (PI), <i>"Disentangling ages and metallicities of red-peak GCs with K-band data"</i> ; 30 hours
ESO P079	ESO – New Technology Telescope award 079.B-0511(A) (PI), <i>"Disentangling ages and metallicities of red-peak GCs with K-band data"</i> ; 2 nights
2006B	Anglo-Australian Observatory – Anglo-Australian Telescope (AAT; 4m) AATAC/06B/3 (PI): <i>"The reliability of dynamical star cluster mass determinations"</i> ; 3 nights
HST	NASA/ESA – Hubble Space Telescope GO-10853 (co-I; PI L. J. Smith): <i>"M82 as a Fossil Starburst: Probing the Super Star Cluster Content of Region B"</i> ; 6 orbits
ESO P077	ESO – Very Large Telescope award 077.B-0046(A) (PI), <i>"From young super star cluster to old globular: the M83 starburst clusters as a pilot sample"</i> ; 1 night
ESO P077	ESO – Very Large Telescope awards 077.C-0472(A) and (B) (co-I; PI M. Andersen): <i>"Probing the IMF in Westerlund 1, the most massive young star cluster in the Galaxy"</i> ; 2×1.5 nights
2005B	Gemini Observatory – Keck-I telescope time award GN-2005B-C-6 (PI): <i>"From young super star cluster to old globular: young clusters in M74"</i> ; 1 night
GALEX	NASA – GALEX space observatory, GO-36 (co-I; PI R. Windhorst): <i>"GALEX Observations of Nearby Dwarf Galaxies"</i> ; 13.5 ksec
ESO P074	ESO – Very Large Telescope awards 074.C-0250(A) and (B) (co-I; PI M. Andersen): <i>"Westerlund 1, the most massive young star cluster in the Galaxy: resolving the low-mass stellar population"</i> ; 6 and 3 hours, respectively
Chandra	NASA – Chandra X-ray Observatory, GO-06400311/06200332 (co-I; PI M. Munro): <i>"X-rays from the Super Star Cluster Westerlund 1"</i> ; 60 ksec (grant: US\$ 25,672)

HST	NASA/ESA – Hubble Space Telescope GO-10172 (PI): "Our Galaxy's most promising Super Star Cluster candidate, Westerlund 1: Tip of the Iceberg?"; 8 orbits (grant: <u>US\$ 45,013</u>)
HST	NASA/ESA – Hubble Space Telescope GO-9824 (co-I; PI R. Windhorst): "NIC3 SNAPs of Nearby Galaxies imaged in the mid-UV: the Remarkable Cool Stellar Population in Late-Type Galaxies"; 48 snap-shots (grant: <u>US\$ 89,139</u>)
HST	NASA/ESA – HST GO-9891 (co-I; PI G. Gilmore): "A Snapshot Survey of Rich Stellar Clusters in the Large and Small Magellanic Clouds"; 80 snap-shots (grant: <u>US\$ 150k</u>)
HST	NASA/ESA – Hubble Space Telescope GO-9892 (co-I; PI R. Jansen): "H α Snapshots of Nearby Galaxies observed in F300W: Quantifying Star Formation in a Dusty Universe"; 48 snap-shots (grant: <u>US\$ 93,216</u>)
ESO P071	ESO – Very Large Telescope award 071.B-0058 (PI), "Spectroscopic Ages and Mass Determinations of Young Compact Star Clusters in NGC 1140"; 2 nights
Gemini-S	Gemini – Gemini-South telescope award (PI), "Integral-field spectroscopy of NGC 1140"; 1 night
HST	NASA/ESA – Hubble Space Telescope GO-9414 (PI): "Resolved halo stellar populations in the Milky Way analogue edge-on galaxy NGC 891"; 36 orbits (grant: <u>US\$ 110k</u>)
2000A–2000B	Joint Astronomy Centre (Hawai'i) – UKIRT telescope time awards UKIRT/00A/71 and UKIRT/00B/39 (PI), "The vertical distribution of stellar populations in spiral galaxies"; 6 nights

2.3. PROFESSIONAL SERVICE

2012–PRESENT	Promotion and tenure assessment requests: Iowa State University, USA (2012); Canadian Research Council, Canada (2013); Radboud University Nijmegen, Netherlands (2014); Australian National University, Australia (2014); Peking University, China (2012–present)
1998–PRESENT	Scientific referee , <i>Nature</i> , <i>Science</i> , <i>MNRAS</i> , <i>ApJ</i> (incl. <i>Letters</i>), <i>AJ</i> , <i>A&A</i> (incl. <i>Letters</i>), <i>PASP</i> , <i>Astrophys. Space Sci.</i> , <i>Science in China</i> , <i>Science China (Physics, Mechanics & Astronomy)</i> , and of book (series) proposals submitted to Wiley Academic Publishers and CRC Press
2001–PRESENT	Scientific reviewer , Royal Society (UK; particularly of University Research Fellowship applications), the European Research Council (Advanced Grants; 2013), PPARC/STFC (UK), NSERC (Canada), the National Science Foundation (NSF, USA), the Austrian Science Fund, the Czech National Science Foundation, the Swedish National Space Board, the Netherlands Organisation for Scientific Research (NWO), the Leibniz Association (Germany), the Binational Science Foundation (Israel–USA), and Seeding Labs; also of nominations for the Inamori Foundation's <i>Kyoto Prize</i> (2014), the <i>Shaw Prize</i> (2015), and the Royal Astronomical Society's <i>Michael Penston prize</i>
2001–PRESENT	Scientific reviewer , Gemini, GranTeCan, UKIRT, ING and AAO telescopes (in addition to UKIRT and AATAC time allocation committee membership)
2010, 2012, 2016	Assessor (invited) of funding proposals submitted to the call "Measures to Attract Leading Scientists to Russian Educational Institutions": New Eurasia Foundation/Ministry of Education and Science of the Russian Federation
2007–2010	Assessor of funding proposals submitted to SEE-ERA.NET (Integration and Strengthening the European Research Area in South-East Europe), established by the European Commission and European Union member states (successor to INTAS)
2003–2006	Assessor of funding proposals submitted to INTAS (International Association to promote the scientific potential of the NIS partner countries through East-West scientific cooperation), established by the European Community and European Union member states

3. TEACHING

3.1. PEKING UNIVERSITY, CHINA (09/2009–PRESENT)

- 2015, 2016 (2×),
2017 **Senior Facilitator**, "*AuthorAID online course in Research Writing*", a 7-week course for early-stage researchers from developing countries, covering all aspects of writing research papers for publication in peer-reviewed journals. Enrollment: 2000–3000 (supported by approx. 20 facilitators)
- 2012–PRESENT **Lecturer**, "*An Introduction to Distance Measurement in Astronomy*", senior undergraduate/post-graduate lecture course; 30 lecture hours, based on my 2011 monograph by the same title (firmly research based). The assessment is based on a written exam (50%), an in-depth, 3000-word essay (25%) and four homework assignments (25%).
- 2010–PRESENT **Casual lecturer**, "*Topics in Modern Astrophysics*", senior undergraduate/post-graduate lecture course taught by a number of faculty members; usually 2 lectures per year.
- 2010–PRESENT **Supervisor**, second-, third-, and fourth-year undergraduate research projects, both by student request (voluntarily) and for credit, allowing me to work with some of the best undergraduate students in the world!
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3.2. THE UNIVERSITY OF SHEFFIELD, UK (06/2003–02/2010)

- PHY 216**
09/2004–02/2010 "*Galaxies – Structure and Evolution*"; second-year undergraduate half module, consisting of 20 lecture hours (firmly research based). The assessment included a written exam (50% of the final grade), an essay assignment (approx. 3000 words; 35%), and student presentations on a topical letter from the recent literature (15%).
[~20–30 students per year]
- PHY 217**
02/2004–02/2010 "*Techniques of Astronomical Observation*"; second-year undergraduate half module, consisting of 20 lecture hours (firmly research based, covering the most recent developments in instrumentation, as well as the basics). The assessment included a written exam (60%) and an observing project using a small telescope on the roof of the departmental building (40%). [~20–30 students per year]
- PHY 319/343**
10/2006–02/2010 "*Undergraduate Ambassadors Scheme*"; third-year undergraduate placements at local secondary schools; required schools liaison, student guidance, special project supervision, journal assessment. [~2–3 students per year]
- PHY 401/2**
10/2007–02/2010 "*Cosmic Origins*"; fourth-year undergraduate module, consisting of 40 lecture hours, split among four academics (firmly research based, covering the most recent developments in their respective areas of research). [~10 students per year]
- PHY 104/105**
09/2003–02/2010 "*Introduction to Astrophysics*" and "*Observing the Night Sky*" – laboratory classes: I was responsible for the first-year undergraduate astronomy teaching laboratory (6 hours per week for 10 weeks, both semesters). This was a mandatory component for both modules (counting for 30% of the final grade; students *must* pass). In practice, this involves supervision, administration and innovation; I introduced a significant number of new laboratory exercises. [~50–60 students per semester; laboratories ran for 10 weeks, twice weekly for periods of 3 hours at a time]
- PHY 445 & 451/2**
09/2004–02/2010 "*Directed Reading in Astronomy*", "*Research Design Study*" and "*Research Projects in Physics*" – supervision of fourth-year undergraduate students on a "directed reading" module and final-year research projects. [generally 2 students per year]
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(Updated: 15 June 2017)