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BIOGRAPHIES



Professor Lorraine Hanlon, BSc MSc PhD MlnP

Lorraine Hanlon is Associate Professor of Astronomy in UCD and worked at the European Space and Technology Research Centre (ESTEC) in the Netherlands as a research fellow for 4 years. She is an active researcher in space-based high-energy astrophysics with particular expertise in the area of gamma-ray bursts. She was involved in the development of the Optical Monitoring Camera for the ESA

INTEGRAL mission and has led the installation of a ground-based robotic telescope in South Africa for gamma-ray burst follow-up observations. With her colleagues in UCD, and in partnership with Irish industry, she is working on the development of next-generation gamma-ray detector technology. She is currently scientific advisor to the Irish national delegate for the Science Programme Committee of ESA and is a member of the INTEGRAL Users' Group.



Deirdre Coffey, BSc HDipEd MSc PhD MInP

Deirdre Coffey is a lecturer in the Astrophysics and Space Science Group at UCD. She graduated with a BSc in Experimental Physics, MSc in Optoelectronics, and a PhD in Astrophysics, as well as Higher Diploma in Education. She has held a research fellowship at Arcetri Observatory in Florence, Italy, as part of a Marie Curie Research and Training Network under FP6; an Irish Research Council

research fellowship at the Dublin Institute for Advanced Studies; and an Italian Space Agency research fellowship at Arcetri Observatory. She was also awarded a Marie Curie European Reintegration Grant as part of FP7. Following a year of exposure to research policy and administration at the Irish Research Council, she joined the staff at UCD. Her research interests are in the field of star formation, using high-resolution observations to understand how new stars are born. She has ten years experience working with the Hubble Space Telescope, as well as world-class ground-based facilities, including VLT, Gemini and ALMA.



Sheila McBreen, BSc PhD MInP

Sheila McBreen is a lecturer in the School of Physics. She completed her PhD in 2004 on the subject of the prompt emission of gamma-ray bursts (GRBs) detected with NASA's Compton Gamma-ray Space Observatory. After graduation, she worked as a research fellow in the European Space Agency (ESA) in The Netherlands focusing on high-energy observations of extragalactic sources. In 2006, she was awarded a Marie Curie Fellowship from the European Union

and moved to the Max Planck Institute for extraterrestrial physics (MPE) in Munich. While at MPE, she joined the Gamma-ray Burst Monitor (GBM) team and continues to be an active team member. The GBM is an instrument on NASA's Fermi Gamma-ray Space Telescope. Her interests include gamma-ray bursts, their afterglows and host galaxies, terrestrial gamma-ray flashes and developing instrumentation for the next generation gamma-ray space mission.



Mark Flanagan, BE PhD

Dr. Mark Flanagan is an SFI Stokes lecturer with the School of Electrical, Electronic and Communications Engineering at University College Dublin. Prior to this, he held research fellowships at the University of Zurich, the University of Bologna and the University of Edinburgh, as well as the Claude Shannon Institute for Discrete Mathematics, Coding and Cryptography, Dublin. His main research interest lies in coding

and modulation for telecommunication systems, with a particular emphasis on design and analysis of state-of-the-art error-correction codes and decoders (include turbo and LDPC codes). He is a reviewer for many leading international journals, and serves on the TPC of several high-profile international conferences. Dr. Flanagan is a member of the Editorial Board for IEEE Communications Letters. He is a Senior Member of the IEEE.



Declan Murphy, BSc MSc

Declan Murphy graduated from University College Cork, with a Masters degree in Experimental Physics. His career in the Irish Meteorological Service culminated in his appointment as Director in 1989. He represented Ireland in many international meteorological organisations including EUMETSAT (the European Organisation for the Exploitation of Meteorological Satellites), a leading agency in the field of Earth Observation.

He was elected Chairman of the Council of EUMETSAT in 2004, a position he held until 2008. Following his departure from Met Éireann in 2009 he has worked on a number of projects for EUMETSAT. He is the author of the history of EUMETSAT - "EUMETSAT 25 Years" – published on the organisation's 25th anniversary in 2011.



Ronan Wall, BSc PhD

Ronan Wall is Programme Manager at Moog Ltd. He has extensive experience in leading industrial space contracts for Astrium Satellites and Moog Ltd for over 10 years. His initial industrial posting was in the Science Missions group at Astrium where he participated in or led definition studies for ExoMars, Mars Sample Return, the Cross-Scale

Magnetospheric mission and Planetary Protection implementation. Ronan managed the Solar Orbiter sunshield subcontract for Astrium before moving to Moog to lead the team for the design and implementation of the High Thrust Apogee Engine – a new highly efficient engine for ESA's planetary missions. Ronan was also the founding programme manager for the first UK national CubeSat programme, UKube-1, which is due for launch in 2013. One of Ronan's key activities over his whole time in the space industry has been in new business acquisition through extensive proposal and tendering. Ronan is a UCD physicist by training, having focused on Nuclear and Radiation Physics during PhD studies.



Michael Perryman, BSc PhD

Michael Perryman has a degree in theoretical physics and a PhD in radio astronomy, both from Cambridge University. A large part of his career has been with the European Space Agency, where he was project scientist for the Hipparcos space astrometry mission (1980-97), project manager during the satellite operational phase (1989-93), co-originator of the Gaia space astrometry mission, and Gaia project scientist

between 1995-2008. Subsequently he spent 2010 as a Distinguished Visitor in Heidelberg in a joint appointment at the university and the Max Planck Institute, 2011-12 as visiting professor in Bristol, and autumn 2013 as Bohdan Paczynski visiting professor at Princeton. His scientific works include The Exoplanet Handbook (2011), recipient of the PROSE Award for Cosmology & Astronomy, 2011. Recognition for his leadership of the Hipparcos project includes the Gold Medal of the French Astronomical Society, the Academy Medal of the Royal Netherlands Academy of Arts & Sciences, the Tycho Brahe Prize of the European Astronomical Society, and an Honorary Doctorate from Lund University in Sweden.



Giuseppe Vacanti, BSc PhD

Giuseppe Vacanti holds a Laurea in Physics from the University of Milan (1987) and a PhD in in Astrophysics from the University of Paris (1993). He spent three years in Tucson, Arizona, working as an astronomer in the Fred Lawrence Whipple Observatory gamma-ray group. After four years in Paris (Service d'Astrophysique and École Politechnique) straddling the boundaries between physics and astrophysics, he reached The Netherlands in 1994. Here, Giuseppe worked

as calibration scientist and scientific software programmer on the X-ray missions Beppo SAX and XMM-Newton. In 2000, he joined *Cosine*, a small technology company working on measurement systems for space and ground applications. Here, Giuseppe works on projects that combine physics, data analysis, modelling, simulations, and software.

Zeldine O'Brien, PhD



Zeldine O'Brien is a barrister at law. Following a LL.B from Trinity College Dublin, she was conferred with a Ph.D also from Trinity in the field of space law under the supevision of the late Dr Gernot Biehler. During her years of doctoral research, she was a participant in the European Space Agency's student participation programme. She has published widely in the field of space law in Ireland, the Netherlands and the U.S.and has taught at Trinity's Law School. She has also

taught in Kosovo with the Irish Rule of Law International's project there in coordination with the Kosovo Chamber of Advocates. In 2005, she won the Diederiks Verschoor Award from the International Institute of Space Law of which she is a member. She is also a member of the Society of Legal Scholars. She was called to the Bar of Ireland in 2009 and has been in practice since. Her research interests include space law and European and Irish space policy.

Joe Houghton, MBA



Joe Houghton is currently Director of Project Management & lecturer at UCD Smurfit Graduate School of Business, International Executive MBA graduate (UCD 2004) and part way through part time PhD by research in the area of Not for Profit governance. He is an experienced business/IT manager who has held European and global positions in software development, systems implementation, technology

management, & telemetry systems development with multi-nationals including General Electric.

Barry Brophy, BE MEngSc



Barry Brophy was educated in UCD and completed an engineering Masters in 1996. He worked in industry for two years and returned to UCD in 1998 where he worked as a contract researcher in the energy sector and as a lecturer. In parallel with this, Barry is a consultant in making oral presentations. Industry clients include: ESB, ESBI, PM, Wyeth, DePuy, Jacobs Engineering, BP, Cable & Wireless,

Engineers Ireland, Institute of Chartered Accountants and Faber Maunsell. He also teaches presentation skills in schools across the University and carries out cognitive research into this communication process.

Caroline Gill, BA MBS



Caroline Gill is responsible for providing and supporting a variety of innovation related education programmes and initiatives across UCD. Prior to joining UCD, Caroline worked in the IT industry for 10 years in the area of enterprise software and business consulting. She worked internationally with SAP, Accenture and Avnet Technology Solutions and has experience in a range of sectors including FMCG, oil &

gas, manufacturing, financial services, software industry, hospitality and publishing.