

Science, Religion and Justice

Justice is central to religion. Questions of justice also suffuse science, which sometimes fosters justice, and all too often enables injustice. This has implications for issues ranging from politics and philosophy, to teaching to technology.

This one-week course will delve into diverse topics, unpacking the rich interconnections of how both science and religion are necessarily involved in the lived story of justice: past, present, and future.

The course draws together expert speakers from across diverse disciplines to address these topics, though it does not assume that attendees have any formal training in any or all of the topics covered.

Join us at Lucy Cavendish College, a short walk from the heart of historic Cambridge and the river Cam. Alternatively, participate online, with live streaming, online discussions, and the option of catchup viewing.

30th June - 4th July 2025

In Person: Lucy Cavendish College,
Cambridge

Or join the conversation online

Register now

faraday.institute/summer2025

events@faraday.cam.ac.uk



The
**Faraday
Institute**
for Science and Religion





Faraday Institute Summer Course 2025 ***Science, Religion, and Justice***

DRAFT PROGRAMME – subject to change

Sunday 29th June

17:00 Arrival, Registration, Tea & coffee
19:00 Dinner and Bar

Monday 30th June

09.30 Welcome & Notices

10:00 Dr Edward David: 'Modelling Justice: How We Think about Justice'

11.00 Tea and coffee, Bookstall

11.30 Dr Emilie Cunningham: 'The Role of Power in Childbirth and Obstetric Medicine'

12.30 Lunch

14:00 Discussion

15:00 Tea and coffee, Bookstall

15:30 Dr Rosa Martínez-Cuadros: 'Islam, Science, and Gender: Considering sexual and reproductive rights'

16:30 Break

17:00 Panel discussion: 'Who cares?' with Dr Edward David, Dr Emilie Cunningham and Dr Rosa Martínez-Cuadros

19:00 Dinner, Bar

Tuesday 1st July

09:30 Notices

09:40 Dr Ruth Bancewicz: 'Introduction to Faraday Church Engagement'

10:00 Prof. Deepa Senapathi: 'Environmental Justice In A Changing World: Can we prioritise both people and nature?'

11:00 Tea and coffee, Bookstall

11.30 Dr Hilary Marlow: 'The Bible and Ecojustice: The cry of the earth and the cry of the poor'

12.30 Lunch

14:00 Outing: 'Science, Religion and Justice in Cambridge History'

16:30 Tea and coffee, Bookstall

17:00 Panel discussion: 'Justice and Creation' with Dr Deepa Senapathi and Dr Hilary Marlow

19:00 Dinner, Bar

Wednesday 2nd July

09:30 Notices

09:40 Lizzie Henderson: 'Introduction to Faraday Youth and Schools'

10:00 Prof. Jennifer George: 'Technology and Disability Inclusion in Education'

11:00 Tea and coffee, Bookstall

11.30 Dr Mark Pickering: 'Prison Healthcare: Light in the Darkness?'

12.30 Lunch

14:00 Outings: 'Curious Cures' at the University Library; Punting

16:30 Tea and coffee, Bookstall

17:00 Activity: 'Just Science' Workshop

19:00 Dinner, Bar

Thursday 3rd July

09:30 Notices

09:40 Dr Pui Him Ip: 'Introduction to Faraday Tutorial Courses'

10:00 Prof. Mel Luna: 'Justice and Disasters: A Global and Local Agenda for Action'

11.00 Tea and coffee, Bookstall

11.30 Prof. Bill Newsome: 'Justice and Neuroscience'

12.30 Lunch

14:00 Discussion

15:00 Tea and coffee, Bookstall

15:30 Prof. Nidhal Guessoum: 'Islamic Insights on How Questions of Justice Play Out in the Practice of the Physical Sciences'

16:30 Break

17:00 Panel discussion: 'Justice and Natural Disasters' with Prof. Mel Luna, Revd Dr Roger Abbott and Prof. Bob White

19:00 Conference photo

19:30 Dinner

Friday 4th July

09:30 Notices

10:00 Dr Esyin Chew: 'Justice and Humanoid Robotics: In Love and War?'

11.00 Tea and coffee, Bookstall

11.30 Prof. John Wyatt: 'Justice and AI'

12.30 Graham Budd: Closing remarks

13:00 Lunch, Departure

Notes:

- All times are in BST (GMT+1 / UTC+1 / UK time)
- The programme is provisional, and timings or content may change
- Hybrid (both online and in person) events are in bold
- Lectures will be in person and Zoom Webinar (Recorded)
- Panel discussions will be in person and Zoom Webinar (Recorded)
- Discussions will be in small groups and Zoom Meeting with Breakout Rooms (Not recorded)
- All registered participants will have access to recordings of the lectures and online materials

Dr Esyin Chew

Esyin Chew is a Reader in Robotics and Educational Technologies at Cardiff Met University. She is also the Director of the EUREKA Robotics Centre, one of the 11 specialist robotics centres in the UK, impacting underprivileged communities. She has led million-pound government or industrial-funded global projects, including the award-winning PIE programme for Women in STEAM-H with ethical AI, Healthcare Robotics and the Alan Turing Public Engagement. Before joining Cardiff Metropolitan University, she worked as an academic in the School of IT at Monash University Malaysia.



Dr Emilie Cunningham

Emilie Cunningham is an Associate Clinical Professor of Medical Humanities at Baylor University. She is the former Director of Programs for Women and Children at Waco Family Medicine. In that role, she worked to eliminate barriers for accessing care, as well as improve maternal and child health outcomes. Prior to joining Waco Family Medicine, she served as the Family Life Coordinator for Ascension Providence Hospital in Waco. She is also a Certified Childbirth Educator, Certified Lactation Counselor and Certified Doula. Her primary interests are the disruption of health inequities and the humanization of the birth experience.



Dr Edward David

Edward David is the Director of the Associateship of King's College and Lecturer in Ethics & Values at King's College London. Most recently, he was the McDonald Postdoctoral Fellow in Christian Ethics and Public Life, affiliated with Christ Church, Oxford.



Prof. Jennifer George

Jennifer George is a Professor of Computing at Goldsmiths, University of London. She previously served as Head of the Computing Department for five years and now leads the university's Generative AI framework in addition to teaching and supervising students, specialising in various aspects of Human-Computer Interaction (HCI). Her research focuses on HCI, with an emphasis on disability inclusion, accessibility, research through design, and faith. Passionate about fostering an inclusive learning environment, Jennifer collaborates with staff and students to remove barriers to education and personal growth at Goldsmiths.



Prof. Nidhal Guessoum

Nidhal Guessoum is an Algerian astrophysicist who received his MSc and PhD degrees from the University of California at San Diego and spent two years as a researcher at NASA's Goddard Space Flight Center. His research focuses on gamma radiation, mainly from the Milky Way Galaxy, but lately from other sources in the Universe as well; he has had an ongoing collaboration with colleagues at the Centre d'Etude Spatiale des Rayonnements in Toulouse, France. For the past decade or so, he has been at the American University of Sharjah, UAE, where he chaired the Physics Department and presided over the Faculty Senate.



Prof. Mel Luna

Emmanuel M. Luna, PhD is a professor of Community Development at the College of Social Work and Community Development, University of the Philippines. In the last three decades, Dr Luna has been involved in training Christian development workers and pastors in holistic and transformational development, community organizing, and research in church ministry. He has extensive practice in community organizing, action research, participatory monitoring and evaluation, and social-environmental impact studies, specialising in community-based disaster risk management.



Dr Hilary Marlow

Hilary Marlow is a biblical scholar, researcher and writer on theology and the environment. She is an Official Fellow of Girton College and a member of the Faculty of Divinity in the University of Cambridge. Until 2018 she was first Course Director and then Senior Researcher at the Faraday Institute, working on a Templeton-funded research project entitled "Science and Scripture in Christianity and Islam". Hilary is a committed environmentalist and is currently a Trustee of the Christian conservation charity A Rocha. She regularly speaks on her environmental research to academic and non-specialist audiences.



Dr Rosa Martínez-Cuadros

Dr Rosa Martínez-Cuadros is a postdoctoral researcher in the Department of Anthropology of the University of Barcelona. She completed her PhD in Sociology at the Autonomous University of Barcelona (UAB) in 2022 and continues to collaborate with ISOR, a research centre specialising in the sociology of religion. She has been a visiting researcher at the University of Birmingham and the University of Bergamo. She has collaborated on various research projects on religious diversity and public expressions of religion, with a gender perspective. Currently, she is researching the intersection of Islam, science, and health.



Prof. Bill Newsome

Bill Newsome is the Harman Family Professor of Neurobiology and Director of the Wu Tsai Neurosciences Institute at Stanford University. He received a B.S. degree in physics from Stetson University and a PhD in biology from the California Institute of Technology. Dr Newsome is a leading investigator in systems and cognitive neuroscience. He has made fundamental contributions to our understanding of the neural mechanisms underlying visual perception and simple forms of decision making. He co-chaired the NIH BRAIN working group, charged with forming a national plan for the coming decade of US neuroscience research.



Dr Mark Pickering

Dr Mark Pickering has been Chief Executive of the Christian Medical Fellowship since 2019, helping to unite and equip Christian doctors and nurses to live and speak for Jesus. Since 2009 Mark has worked as a GP in over 20 prisons and other secure environments across London, Yorkshire and the Midlands. He still works a regular day in secure psychiatric units and occasionally in a high security prison. He is also a Board member of Integritas Healthcare, a Christian NGO led by his wife, Dr Rachael Pickering. Integritas Healthcare cares for detainees and advocates for their healthcare, particularly in the Philippines.



Prof. Deepa Senapathi

Deepa Senapathi is an Associate Professor of Applied Ecology and Head of Department of Sustainable Land Management at the University of Reading. Her research focusses on the impacts of environmental change on biodiversity and ecosystem services. She has assessed the effects of climate change and land-use change on avian populations and insect pollinator communities. She is also experienced in the science-policy interface having worked as a knowledge exchange fellow with different stakeholder communities including policy makers, non-government organisations, delivery agencies and land managers.



Prof. John Wyatt

John Wyatt is Emeritus Professor of Neonatal Paediatrics, Ethics & Perinatology at University College London. He was Co-Principal Investigator for a research project based at The Faraday Institute investigating the implications for human self-understanding of recent advances in artificial intelligence and robotic technology. Having spent his working life both caring for babies and researching the mechanisms, treatment and prevention of brain damage in newborn infants, in his retirement he is focussing on the ethical, philosophical and theological issues raised by rapidly advancing technology.

