

Preliminary Program
“Converging Technologies : some pressing ethical issues”
July 22nd, 2009

CAPPE

Time	Speaker	Title
9:15-9:30	Opening	
9:30 -10:30	Prof. Alfred Nordmann	Darmstadt University
10:30-10:45	Morning tea	
11:45- 11:15	Prof. Chennupati Jagadish	ANU
11:15-11:45	Prof. Greg Tegart	Academy of Technological Sciences and Engineering
11:45-12:15	Dr. Tom Faunce	College of Law, ANU
12:15 - 13:15	LUNCH	
13:15 - 13:45	Dr. Hans Griesser	Ian Wark Institute, University of South Australia
13:45-14:15	Dr. Ron Pace	ANU
14:15-14:45	Dr. Michael Selgelid	CAPPE, ANU
14:45-15:00	Afternoon tea	
15:00-16:00	Dr. Astrid E. Schwarz	Darmstadt University
16:00 -17:00	Panel discussion and closure with wine	

Place: The Arts Meeting Room on the Ground Level in the Haydon-Allen Building, ANU

For further information please contact:

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Biographies:**Prof. Alfred Nordmann**

After receiving his PhD in Hamburg (1986) and serving on the faculty of the Philosophy Department at the University of South Carolina (1988-2002), he became Professor of Philosophy and History of Science at Darmstadt Technical University. He is president of the Lichtenberg Society. Since 2000 Professor Nordmann has been studying philosophical and societal dimensions of nanoscience and converging technologies. With Davis Baird he initiated the first NSF-sponsored research team on this subject. Professor Nordmann's focus is on the development of a comprehensive philosophy of technoscience that reflects recent changes in the culture of science and the changing relationship of science, technology, nature and society. During the 2006/07 academic year, Nordmann was one of the coordinators of the research group Science in the Context of Applications at the ZiF of Bielefeld University. Since August 2008 he is Visiting Centenary Professor at the University of South Carolina.

Prof. Chennupati Jagadish

Professor Chennupati Jagadish is convenor of the Australian Research Council Nanotechnology Network established in 2004. He is also Federation Fellow, Distinguished Professor and Head of the Semiconductor Optoelectronics and Nanotechnology Group, Department of Electronic Materials Engineering, Research School of Physical Sciences and engineering, at the Australian National University. Professor Jagadish's research interests include compound semiconductor optoelectronics and nanotechnology. He has published more than 580 research papers (380 journal papers), 5 US patents filed, co-authored a book, co-edited a book and edited 12 conference proceedings and 5 journal special issues. He is a Fellow of the AAS, ATSE, IEEE, APS, OSA, IoP, AIP, IoN, AVS, ECS, AAAS, SPIE, IET. He is an editor of 3 journals and serves on editorial boards of 12 other journals. He advises many high tech companies in Australia and overseas and collaborated with scientists from 20 countries.

Prof. Greg Tegart

PhD (University of Sheffield, United Kingdom), MSc (University of Melbourne, Australia) BSc (University of Melbourne, Australia). His professional experience includes 40 years in Government and industry in the areas of research, teaching, administration, and high level policy advice to Government on science, technology and the environment. Among his professional membership Fellow of Australian Academy of Technological Sciences and

Engineering, Fellow of The Institution of Engineers Australia- Chartered Professional Engineer, Foreign Fellow of the Royal Swedish Academy of Engineering Sciences, Foreign Fellow of the Czech Academy of Engineering Honorary Fellow of Institute of Materials Engineering Australasia. His research interests are: science and technology policy-national and international, technology and society, technology foresight and strategic intelligence, new technologies-nanotechnology and energy.

Dr. Tom Faunce

Qualifications: BA LLB (Hons) (ANU). BMed (Newcastle). PhD (ANU (Health Policy and Human Genomics, Philosophy and Regulation); Tom Campbell Supervisor, JG Crawford Prize). He is Project Director, ARC Funded Studies on (1) Impact of International Trade Agreements on Access to Medicines in Australia and (2) Regulating Nanomedicine Safety and Cost-effectiveness. He is also Associate Professor College of Law (Bioethics, Health Law and Human Rights) and Medical School (Chair, Professionalism and Leadership). Director, Globalization and Health Project. And Founding Board Member, National Centre for Biosecurity (NCB); ANU Central Human Research Ethics Committee; ANU Recombinant DNA Advisory Committee. He has recently undertaken a Brocher Foundation Fellowship in Geneva to prepare a publication for Edward Elgar International on Nanotechnology and Global Public Health.

Prof. Hans Griesser

Professor Griesser is Deputy Director (Industry), Ian Wark Research Institute and Professor of Surface Science. He is Physical Chemist by training and has applied this background to interdisciplinary research in various fields, particularly surface science, the analysis and modification of polymer surfaces, thin film deposition, biomaterials, and adhesion. His current research interests comprise fundamental and applied studies on the design and fabrication of novel surfaces and coatings for various purposes. Other activities comprise fundamental studies of coatings and polymer surfaces, gas plasma technologies, polymer surface dynamics, and the development of surface analytical methods. His work has application for biomedical devices, adhesive bonding, membranes, thin film dielectrics, and protective coatings. In addition to devices, his surface engineering methods can also be applied to beads, powders, and nano-particles.

Dr. Ron Pace

Dr. Pace is Reader of Bio-Physical Chemistry in the Department of Chemistry, in the Faculty of Science, at ANU. His research interest includes photosynthesis (natural and artificial) and membrane biosensors. In 1997 he co-authored a landmark paper in Nature “A biosensor that uses in Ion-Channel Switches”.

Dr. Michael Selgelid

He earned a BS in Biomedical Engineering from Duke University and a PhD in Philosophy from the University of California, San Diego. He is Senior Research Fellow at CAPPE and the Menzies Centre for Health Policy at the Australian National University, where he is also Deputy Director of the National Centre for Biosecurity. Dr. Selgelid has recently been awarded a three month research visit to the Brocher Foundation in Geneva, Switzerland to work on the project Tuberculosis Control: Ethics and Policy Development in collaboration with the World Health Organization's 'Stop TB' Department and the Department of Ethics, Equity, Trade and Human Rights in 2009. His fields of special interest includes: Professional and Applied Ethics, Science and Ethics , Bioethics , Public Health Ethics , Ethics and Infectious Disease, The Dual-Use Dilemma , Synthetic Biology and Tuberculosis.

Astrid Schwartz

Dr. Schwarz was trained both in philosophy and biology. After finishing her diploma in experimental ecology and her PhD in the history and philosophy of ecology, she got a post-doc grant in Paris. From Paris she came to Darmstadt and joined the Institute for Philosophy. Between October 2006 and September 2007 she was a fellow at the Center for Interdisciplinary Research (ZIF, Bielefeld). Her interest is focused on the role of concepts and metaphors, scientific models, the constitution of the research object, the influence of images and diagrams as well as popular societal visions. Recently she is running a project on “Visual cultures of ecological research”, a web-based information system for research and education. All these projects and interests coalesce in a recent book project on the epistemology of the field sciences that is in preparation.