| BRUNEL CENTRE FOR AI

Autumn Thought Leadership programme 2021

14th Oct 2021 Thursday / 4pm-5pm
The Legal Status of Artificial Agents
Dr Stelios Andreadakis (Brunel University London)
Prof. Carlos Amunátegui Perelló (Universidad Catolica de Santiago)

8th November /3pm-4pm
Social Identity and Nationalism in the UK: Effects
of AI on changes in voting patterns
Dr Andrew Black (Director, Digit Limited)
Prof. Ashley Braganza (Brunel University London)
Dr Grahame Fallon (Brunel University London)

11th November /4pm-5pm
Relationship between work–family conflict and turnover
intention in nurses: A meta-analytic review
Dr Ozlem Ayaz (Brunel University London)

25th November /4pm-5pm
Artificial Intelligence – a prospect
Dr Maysam Abbod (Brunel University London)

9th December /4pm-5pm
Digital Ability Expectations and Marginalization in
Automated Societies
Dr Vassilis Charitsis (Brunel University London)
Dr Tuukka Lehtiniemi (University of Helsinki)

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London

The Legal Status of Artificial Agents

Dr Stelios Andreadakis
Prof. Carlos Amunátegui Perelló

14 October 2021 | **4pm - 5pm**

Brunel University London

Universidad Catolica de Santiago in Chile

In the last decade the role of artificial agents in everyday life has become ubiquitous. Although its economic and social importance is becoming critic, there is still quite a shady terrain regarding its legal status. As artificial agents consist in information, the possibility of adapting the old legal categories to encompass them becomes difficult. Should we consider them things? And if so, do they belong to the category of corporeal or incorporeal (res corporales aut incorporales)? Should we construct a special kind of personhood? Can information be regulated as ownership? We will address these questions from a historical and comparative perspective.

Prof. Carlos Amunátegui Perelló
Carlos Amunátegui Perelló is chair of Roman and Civil law in the Pontificia Universidad Católica de Chile. He has written more than a hundred and fifty scientific articles and seven books, including his latest one on Artificial Intelligence and Law (Arcana Technicae. Derecho e Inteligencia Artificia, 2020, Valencia). He has recently participated in the Constitutional reform to include neuro-rights in the Chilean Constitution, the Neuro-rights law and the bill to regulate Digital Platforms in Chile. http://derecho.uc.cl/es/profesores/nomina-por-departamento/departamento-de-derecho-privado/309-amunategui-perello-carlos

Dr Stelios Andreadakis
is a Reader in Corporate and Financial Law and Director of Postgraduate Programmes. Prior to joining Brunel, he was a Lecturer and LLM Director at the University of Leicester and a Senior Lecturer at Oxford Brookes University. He holds a PhD and an LLM in International Commercial Law from the University of Leicester and an undergraduate Law degree from the Law School of the University of Athens, Greece. Dr Andreadakis' research interests are in the areas of Corporate Law and EU Law. He is particularly interested in corporate governance, exploring aspects of regulation of companies, corporate theories, the operation of financial markets and the role of scandals in the introduction of new legislation. His current work focuses on the role of whistle-blowers in modern corporate governance and he is conducting empirical research in the US, Japan and Europe.

A monograph will be published by Edward Elgar with the findings of the research project and his recommendations as to the role of corporate culture in the strengthening of whistleblower protection worldwide.

Dr Andreadakis is also working on a British Academy-funded project on the accession of the EU to the European Convention on Human Rights. The project is entitled 'Reflections on the Architecture of the European Union after the Treaty of Lisbon: The European Approach to Fundamental Rights', which reflects on a number of interviews with policy makers of the EU and the Council of Europe as well as Judges of the Court of Justice of the EU and the European Court of Human Rights. Dr Andreadakis was invited to make a contribution as an expert to a public Hearing organised by the Committee on Constitutional Affairs of the European Parliament in April 2016 in Brussels. A monograph, co-authored with Dr Sonia Morano-Foadi, will be published in 2018 by Springer, exploring the process of European integration, the role of the judiciary and policy-makers as well as the future of human rights protection in the EU.

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Social Identity and Nationalism in the UK: Effects of AI on changes in voting patterns

Dr Andrew Black — Director, Digit Limited
Professor Ashley Braganza — Brunel University London
Dr Grahame Fallon — Brunel University London

8 November 2021 | 3pm - 4pm

During this seminar, we will present some preliminary findings from a research project examining the effects of social identity on the changing levels of nationalism and the factors influencing these changes including education, technology and jobs.

We anticipate our initial findings will generate discussion and create a platform for informed debate on the potentially toxic mix of identity, nationalism and technology.

• Finding from survey results based on primary and secondary data
• Influence of artificial intelligence on peoples' per perceptions and identity groups
• Longer term trends / outlook of voting patterns

Dr Andrew Black
is a Research Fellow at Brunel, Senior Research Fellow of the Global Policy Institute, and Senior Research Fellow at the Institute of Advanced Studies, Koszeg, Hungary. He has authored two books, "In Search of Shareholder Value" and "Questions of Value for FT Prentice Hall. He has written a number of books and articles, including a series of economic Input-Output analyses on the impacts of a Hard Brexit on the British economy for the Federal Trust. He co-authored "Chrechez La Firme" with Stuart Holland, published in Researchgate. He is currently working on a study of Social Identity Theory and the emergence of Social Identity Groups. This involves comparing attitudes to nationalism across the UK, and in particular comparing and contrasting the situation in England and Scotland. This project is partially funded by Brunel University London's Co-innovate fund. Dr Black is the managing director of Digit Ltd, a Financial and Management Consulting company.

Prof. Ashley Braganza
is Deputy Dean, CBASS and Professor of Organisational Transformation Change at Brunel Business School. He is the Director of the Centre for Artificial Intelligence. His research interests encompass artificial intelligence, big data, change management, strategy implementation, process and knowledge management, and transformation enabled information systems. He has published over 100 papers in prestigious academic and practitioner journals, and books.

He is the Founder and Chair of the British Academy of Management Special Interest Group in Transformation, Change and Development. He has carried out over 50 consultancy assignments with large global organisations.

Dr Grahame Fallon
is a Senior Lecturer in International Business in Brunel Business School, Brunel University, London. His current research interests cover international business, international and European political economy, institutional economics, new economic geography and entrepreneurship in the emerging market and the post-communist country contexts. He has published in a range of academic journals including: International Business Review, Regional Studies, Strategic Change, Journal of Small Business and Enterprise Development, European Business Review, Canadian Journal of Administrative Sciences / Revue Canadienne des Sciences de l'Administration, and the International Journal of Information Management.

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Relationship between work–family conflict and turnover intention in nurses: A meta-analytic review

Dr Ozlem Ayaz Arda | **Brunel University London**

11 November 2021 | **4pm - 5pm**

Aim: This meta-analytic review aimed to synthesize and analyse studies that explored the relationship between nurses' work–family conflicts and turnover intentions.

Data Sources: A total of 191 (k = 14) publications published between 2005 and 2019 on turnover intention and work–family conflict, were retrieved from PubMed, PsycINFO, Web of Science, ProQuest, and Scopus databases.

Results: An overall effect size of r = .28 (N = 5781, 95% CI [0.23 0.33]) was obtained, indicating a moderate, positive, and significant relationship between work–family conflict and turnover intention. The moderator analysis showed that individualism and long-term orientation accounted for 90% of effect size heterogeneity of work–family conflict and turnover intention relationship.

Impact: Work–family conflict and turnover intention are significantly correlated factors regardless of the studies' cultural characteristics examined in this study. Policymakers and managers should consider this finding and develop strategies that provide a balance-oriented work design to prevent nurse shortage.

Ozlem Ayaz Arda received her PhD in Management and Organisations in 2016 from Bahcesehir University Istanbul. She joined Brunel Business School in February 2020. Dr Ayaz-Arda has several years of management experience in strategic management, working at big companies in Turkey. Her research is embedded in the strategic management field specifically interested in the integration of management systems with different operational aims. Her interest also resides in the role of leadership, social and business value creation ethical organisations during the digital era started with Industry 4.0. Dr Ayaz-Arda has published widely in internationally well-regarded academic journals such as Journal of Business Research, Decision Support Systems, Business Strategy, and the Environment. She has presented her research output at international conferences such as Academy of Management Conference in 2016, 2018, and 2020.

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Artificial Intelligence – a prospect

Dr Maysam Abbod | **Brunel University London**

25 November 2021 | **4pm - 5pm**

Artificial intelligence technologies are fast evolving which are widely adopted in technology & business circles. Many governments and industries see that AI is the future. However, if we look around us and check our daily life activities, AI does not like it - but, it is the future; it is the present, and the future will be more advanced and sophisticated.

Maysam Abbod (SMIEEE, MIET, CEng, SFHEA) is a Reader in Intelligent Electronic Systems at the Department of Electronic and Electrical Engineering, College of Engineering, Design and Physical Sciences at Brunel University London and a research member of Brunel's Centre for Electronic Systems Research.

He has actively pursued research in the field of modelling, systems and control engineering on many industrial projects for more than 25 years, has published over 150 papers to date and filed 1 patent application. Abbod's recent research work is dedicated to the use of Artificial Intelligence for man-machine interfaces, such as text recognition and classification, and gesture recognition. He has been involved in several research projects funded by British Council and EU. He has supervised 35 PhD students to completion and currently working with many PhD students on the use of AI in many fields. Abbod is currently serving as an Associate Editor for Engineering Application of Artificial Intelligence journal (Elsevier - EAAI), Sensors, electronics (MDPI), and continues to review manuscripts for several other international journals and research grant applications.

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Digital Ability Expectations and Marginalization in Automated Societies

Dr Vassilis Charitsis
Dr Tuukka Lehtiniemi

Brunel University London
University of Helsinki

9 December 2021 | 4pm - 5pm

- Automated Decision Making and discrimination
- Data norms and digital ability expectations
- Digital Divide(s) and Data Inequalities
- Data (in)visibility and Data (un)desirability

As data becomes the resource that (dis)enables people to unlock the promises of the digitised world, underprivileged individuals and communities face additional marginalization. In this event we examine and theorise these forms of marginalisation highlighting that the existing data economy is predicated on the exclusion and marginalisation of disadvantaged segments of the population who fail to meet digital ability expectations and reach prescribed data norms. Engaging with critical disability scholarship, we address calls to expand the scope of ableism by taking into account ability expectations relating to technological advancements. To that end, we introduce the notions of data ableism, and its flipside, data disablism that encapsulate privileged ability expectations pertaining to data production and the resulting forms of exclusion that are prevalent in automated societies. Underlining the intersectional nature of data ableism, we discern its two main mechanisms, data (in)visibility and data (un)desirability, and document the role of free market ideology in producing and upholding data ableism.

Dr Vassilis Charitsis is a lecturer in Marketing at Brunel Business School. Prior to joining Brunel, Vassilis worked as a postdoctoral researcher at the Centre for Consumer Society Research of the University of Helsinki in Finland. His research interests include new media technologies, automated decision making, consumer surveillance and the datafication of everyday life. His work has been published, among others,

in Surveillance & Society, Triple C: Communication, Capitalism & Critique, Marketing Theory and ephemera: theory and politics in organisation.

Tuukka Lehtiniemi, D.Soc.Sc. - Postdoctoral Researcher, Centre for Consumer Society Research; University of Helsinki.

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