



UNIVERSITY OF  
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# Keynote speakers of the 10th BEAR PGR Conference 2020



**Conference registration:** [https://docs.google.com/forms/d/e/1FAIpQLSfOjhTdm3UltNdoRxiCuBADdmKQHui0Uasyn5qZKHwocwa1gw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfOjhTdm3UltNdoRxiCuBADdmKQHui0Uasyn5qZKHwocwa1gw/viewform?usp=sf_link)

**9:30-10:30, 14<sup>th</sup> September**

**Zoom ID: 84585171168; Password: 792771**

## Prof. Christopher Baber

Topic: Human-Technology Interaction



His research concerns human interaction with technology – specifically, in terms of human people form teams with intelligent technology, and in terms of sensor-based human-technology interaction. This has led to work on how human decision making is supported by Artificial Intelligence, and to the study of human-machine teams. In all of this work, he combines an interest in studying human behavior ‘in the field’ with the design and making of gadgets to measure or support activity.



**9:30-10:30, 15<sup>th</sup> September**

**Zoom ID: 91647842058; Password: 914576**

## Dr. Julia Hoerner

Topic: Deep Learning

Dr Julia Hoerner is the Deep Learning Academic Liaison Manager at MathWorks in Cambridge, UK. She works in a close collaboration with universities across Europe. Julia supports academics in developing curricula and course syllabi with focus on Artificial Intelligence and particularly Deep Learning. Furthermore, she assists researchers in Deep Learning related projects and acts as a link between the researchers and developers at MathWorks.

Julia holds a masters degree in renewable energy and a PhD in Offshore Wind. Before joining MathWorks, Julia conducted research on energy forecasting using Artificial Intelligence.



**9:30-10:30, 16<sup>th</sup> September**

**Zoom ID: 98330995818; Password: 182806**

## Prof. Alessandra Guariglia

Topic: Financial Economics

Alessandra Guariglia is Professor of Financial Economics at the University of Birmingham and she specializes in (i) Links between macroeconomic activity and finance; (ii) Firm behavior under imperfect capital markets; (iii) Economics of transition in China; (iv) Household saving and consumption decisions; (v) Health economics. She is an expert on China, its economy, and its financial system and has played a key role in the creation of joint masters and undergraduate programmes with several Chinese universities.



**10:30-11:30, 16<sup>th</sup> September**

**Zoom ID: 98330995818; Password: 182806**

## Prof. Michaela Mahlberg

Topic: Corpus linguistics, digital humanities, and the university infrastructure

Michaela Mahlberg is Professor of Corpus Linguistics at the University of Birmingham, UK, where she is also the Director of the Centre for Corpus Research. She is the editor of the International Journal of Corpus Linguistics (John Benjamins) and together with Wolfgang Teubert she edits the book series Corpus and Discourse (Bloomsbury). As Principal Investigator of the AHRC-funded CLiC Dickens project, Michaela led the development of the CLiC web app. Her publications include Corpus Stylistics and Dickens's Fiction (Routledge, 2013), English General Nouns: A Corpus Theoretical Approach (John Benjamins, 2005) and Text, Discourse and Corpora: Theory and Analysis (Continuum, 2007, co-authored with M. Hoey, M. Stubbs & W. Teubert). Her current research focus is the wider application of corpus linguistics as the data science of language studies.

## Dr. Davide Gerosa

Topic: Gravitational-Wave Astronomy

Dr Davide Gerosa is a Lecturer at the Institute for Gravitational Wave Astronomy at the University of Birmingham. He studies the impact of Einstein's general relativity on the astrophysical world. His research focuses on gravitational-wave phenomenology and black-hole dynamics, exploring the interplay between theoretical physics, astronomy, statistics, and machine learning.

More at <http://www.sr.bham.ac.uk/~dgerosa>

**13:30-14:30, 14<sup>th</sup> September**

**Zoom ID: 85889275036; Password: 786763**



## Dr. Jose Herreros

Topic: Automotive Engineering

His research focuses on the integration of clean and efficient powertrain systems with the goal to develop energy-efficient and clean powertrains to be used in vehicular applications. He is currently working to integrate new directions to be incorporated to his research areas: (i) efficient powertrains technologies, including hybrids technologies and (ii) human and environmental effects of pollutants emitted by powertrain systems with the ultimate long-term goal to propose energy-efficient and clean powertrains to be used in vehicular applications.

**13:30-14:30, 15<sup>th</sup> September**

**Zoom ID: 93623111764; Password: 018495**



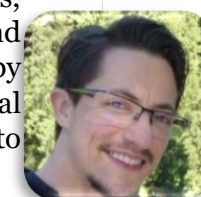
## Dr. Leandro L. Minku

Topic: The Whole is Better than The Sum of the Parts – On the Value of Machine Learning Ensemble Methods

Dr. Leandro L. Minku is a Lecturer in Intelligent Systems at the School of Computer Science, University of Birmingham. His research interests are machine learning in non-stationary environments / data stream mining, online class imbalance learning, ensembles of learning machines and computational intelligence for software engineering, evolutionary algorithms (dynamic optimization, multi-objective techniques, hyperheuristics).

**13:30-14:30, 16<sup>th</sup> September**

**Zoom ID: 94857761150; Password: 616371**



## Dr. Viola Wiegand

Topic: Corpus linguistics, digital humanities, and the university infrastructure

Viola Wiegand is a Research Associate at the University of Birmingham, where she has contributed to the development of the CLiC web app and research on body language and character speech in 19th century fiction. Her main research interest is the study of textual patterns with tools and frameworks from corpus linguistics, stylistics, discourse analysis and the wider digital humanities. Viola's PhD thesis focused on contemporary surveillance discourse in a range of domains and data sets, including the Times Digital Archive. She is Assistant Editor of the International Journal of Corpus Linguistics (John Benjamins) and has co-edited Corpus Linguistics, Context and Culture with Michaela Mahlberg (De Gruyter, 2019).

**10:30-11:30, 16<sup>th</sup> September**

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