Human Brain Project
Education Programme

3RD HBP CURRICULUM WORKSHOP SERIES
SAME, SAME OR DIFFERENT?
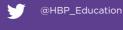**NEUROSCIENCE, ROBOTICS, AI**
AND MEDICAL INFORMATICS:
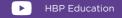**NEW INSIGHTS WITH DIVERSITY & ETHICS**

26-27 SEPTEMBER 2019
GRAZ UNIVERSITY OF
TECHNOLOGY, AUSTRIA

SCIENTIFIC
PROGRAMME

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WORKSHOP INFORMATION

In this 2-day workshop, scientists from neuroscience, robotics, AI and medical informatics will provide insights on how they consider variables such as sex, gender, age etc. Additionally, experts in ethics and diversity will introduce Responsible Research and Innovation (RRI) concepts and their practical application.

This workshop addresses researchers and students who want to…

- explore and make best use of research design, methodologies, and the operationalisation of variables in their field of expertise
- get to know and apply RRI and ethical standards and useful tools for "Diversity in research"
- share experiences and gain innovative insights from cross-science perspectives
- use these new insights as an added value e.g. for research concepts, papers and proposal writing

Scientific Chair:
Karin Grasenick **|** convelop cooperative knowledge design gmbh

Organisers:
Judith Kathrein **|** Medical University Innsbruck
Laura Saxer **|** Medical University Innsbruck
Sylvia Aßlaber **|** Medical University Innsbruck

Contact:
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Further information:
http://bit.ly/HBP-Ethics2019

Human Brain Project

supported by:

TU Graz

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THURSDAY 26 SEPTEMBER 2019

08:30 - 08:45   **Registration**

08:45 - 09:30   **Welcome address and introduction to the Institute of Theoretical Computer Science**
Robert Legenstein **|** Graz University of Technology

09:30 - 10:30   **Robot stereotypes - What you see is not what you get**
Benedikt Feldotto **|** Technical University of Munich

10:30 - 11:00   **Coffee break**

11:00 - 12:00   **The role of gender in the multimodal characterisation of biological substrates of personality traits**
Alessandra Nostro **|** Netherlands Institute for Neuroscience

12:00 - 12:45   **Lunch break**

12:45 - 13:45   **Personalised whole-brain models: Capturing the human diversity in medical treatment and research**
Jan Fousek **|** Aix-Marseille University

13:45 - 14:00   **Coffee break**

14:00 - 15:00   **Data protection and data ethics: Balancing big data and data-driven research**
Simisola Akintoye & Will Knight **|** De Montfort University

15:00 - 15:45   **Open dialogue: Explore consequences of possible biases and RRI responses in your research field together with the workshop lecturers**
Karin Grasenick **|** convelop cooperative knowledge design gmbh

16:00 - 17:00   **Site visit: Get to know DAVE**

FRIDAY 27 SEPTEMBER 2019

09:00 - 10:00 **Neuroethics and philosophy in RRI**
Michele Farisco | Uppsala University

10:00 - 10:15 **Coffee break**

10:15 - 11:15 **The demystification of the robot: Why we need informed people and explainable machines**
Martina Mara | Johannes Kepler University Linz

11:15 - 11:30 **Coffee break**

11:30 - 12:00 **Societal impact through engagement of publics and experts in an HBP context**
Sita Ramchandra Kotnis | The Danish Board of Technology Foundation

12:00 - 12:45 **Lunch break**

12:45 - 13:15 **A look back and forward: Diversity & ethics in the history of science**
Harald Kleinberger-Pierer | FH Joanneum

13:15 - 13:45 **How the fulfilment of artificial mathematical intelligence will shift the working purpose of formal researchers: A meta-analysis by means of the Human Values and Control (Asilomar) principles**
Danny A. J. Gómez-Ramírez | Institución Universitaria Pascual Bravo

13:45 - 14:00 **Coffee break**

14:00 - 15:00 **Hands-on session for your research design: Exploring the diversity of research objects and target groups**
Karin Grasenick | convelop cooperative knowledge design gmbh

15:00 - 16:30 **Poster session, coffee and best poster award Exams**

16:30 - 17:00 **What you always wanted to know about the HBP but never dared to ask: Lessons learned & feedback round**
Alois Saria | Medical University Innsbruck &
Karin Grasenick convelop cooperative knowledge design gmbh

17:00 **Social evening**

NOTES

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