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
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 | convelope cooperative knowledge design gmbh

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

**Contact:**
curriculum.edu@humanbrainproject.eu

**Further information:**
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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:00 - 10:00</td>
<td>Neuroethics and philosophy in RRI</td>
<td>Michele Farisco</td>
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<td>10:00 - 10:15</td>
<td>Coffee break</td>
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<td>10:15 - 11:15</td>
<td>The demystification of the robot: Why we need informed people and explainable machines</td>
<td>Martina Mara</td>
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<td>11:15 - 11:30</td>
<td>Coffee break</td>
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<td>11:30 - 12:00</td>
<td>Societal impact through engagement of publics and experts in an HBP context</td>
<td>Sita Ramchandra Kotnis</td>
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<td>12:00 - 12:45</td>
<td>Lunch break</td>
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<td>12:45 - 13:15</td>
<td>A look back and forward: Diversity &amp; ethics in the history of science</td>
<td>Harald Kleinberger-Pierer</td>
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<td>13:15 - 13:45</td>
<td>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</td>
<td>Danny A. J. Gómez-Ramírez</td>
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<td>13:45 - 14:00</td>
<td>Coffee break</td>
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<td>14:00 - 15:00</td>
<td>Hands-on session for your research design: Exploring the diversity of research objects and target groups</td>
<td>Karin Grasenick</td>
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<td>15:00 - 16:30</td>
<td>Poster session, coffee and best poster award</td>
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<td>16:30 - 17:00</td>
<td>What you always wanted to know about the HBP but never dared to ask: Lessons learned &amp; feedback round</td>
<td>Alois Saria</td>
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<td>17:00</td>
<td>Social evening</td>
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humanbrainproject.eu/education