Preface

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The 2nd World Conference on eXplainable Artificial Intelligence (xAI-2024) was held from Wednesday, 17th to Friday, 19th of July 2024. On the second and third day of the conference, we had the pleasure of hosting the Late-breaking work, Demos and the Doctoral Consortium tracks.

The Late-breaking work track provided a unique opportunity to share valuable ideas, elicit helpful feedback on early-stage work, and foster discussions and collaborations among colleagues. Late-breaking results are research-in-progress that contain original and unpublished accounts of innovative research ideas, preliminary results, industry showcases, and system prototypes, addressing eXplainable Artificial Intelligence (XAI) theory and practice. In addition, it included recently started research projects or syntheses. Overall, 33 Late-breaking manuscripts were accepted and presented via posters.

The Demo track showcased research prototypes or commercially available products. Demo submissions were based on an implemented and tested xAI-based system that pursues one or more innovative ideas in the interest areas of the conference. Demonstrations are an exciting way to showcase implementations of xAI-based systems and to get valuable feedback from the community. Overall, seven demos were presented with a dedicated stand at the conference.

The Doctoral Consortium track organised within the conference allowed doctoral scholars to explore and develop their research interests under the guidance of distinguished scholars from the field of xAI, who provided constructive feedback and advice. In particular, this forum also allowed PhD scholars to present and discuss their research ideas with experienced scholars in a supportive, formative, and critical environment. It was organised into three 90-minute sessions, the first of which featured spotlight presentations by participants, and the second and

third of which consisted of expert lectures on research design followed by hands-on exercises. Eventually, the DC provided a mechanism to network and build collaborations with other community members and explore career pathways available after completing their PhD degree. Overall, 18 doctoral consortium proposals were accepted and discussed at the conference.

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[1]https://xaiworldconference.com/2024

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Doctoral Consortium committee & mentors

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- Felix Biessmann, Berlin University of Applied Sciences
- Duarte Folgado, Fraunhofer AICOS
- Johannes Fürnkranz, Johannes Kepler University Linz
- Riccardo Guidotti, University of Pisa
- Andreas Holzinger, Human Centered AI
- Gjergji Kasneci, TU Munich
- Luca Longo, Technological University Dublin
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