<div align="center">**Call for Papers**</div>

Practical applications of explainable artificial intelligence methods special session at DSAA 2021
Porto, 06th -09th October, 2021

https://praxai.geist.re

Important Dates:
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** Submission Deadline: **May 23, 2021**
** Notification of Acceptance: **July 25, 2021**
** Camera-Ready Versions Due: **August 8, 2021**
** Conference date: **October 06-09, 2021**

PRAXAI special session at The 8th IEEE International Conference on Data Science and Advanced Analytics (DSAA'2021). The workshop is planned to take place in Porto, Portugal, from August 21-26th, 2021. In case DSAA'2021 is held online because of the COVID-19 situation, then the PRAXAI special session will be held online as well.

Objectives
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This special session focuses on bringing the research on Explainable Artificial Intelligence (XAI) to actual applications and tools that help to better integrate them as a must-have step in every AI pipeline. We welcome papers that showcase how XAI has been successfully applied in real-world AI-based tasks, helping domain experts understand the results of a model. Moreover, we also encourage the submission of novel techniques to augment and visualize the information contained in the model explanations. Furthermore, we expect a presentation of practical development tools that make it easier for AI practitioners to integrate XAI methods into their daily work.

Topics of interest
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We encourage receiving papers related to the following topics, which include but are not limited to:
- Model explanations verbalized in human-comprehensible natural language
- Explainable Reinforcement learning
- Explainable AI for Planning and Decision Making
- Medical XAI
- Evaluation and visualization of explanations
- Software tools for interpretable machine learning and data mining
- Knowledge-augmented explanations
- Human in the loop explanations
- Interactive explanations
- Visualization of model explanations for different types of data apart from language and images (tabular data, time series, graphs, etc.)
- XAI software development and its integration into popular ML/DL libraries
- Applications of all of the above

Submission
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Papers (maximum of ten (10) pages) can be submitted through CMT: https://cmt3.research.microsoft.com/DSAA2021

Submissions to this special session strictly follow the same specifications, requirements, and policies as the main conference submissions in terms of the paper submission deadline, notification deadline, paper formatting and length, and important policies.

Papers must be submitted in PDF according to the standard 2-column U.S. letter style IEEE Conference template. See the IEEE Proceedings Author Guidelines: https://www.ieee.org/conferences/publishing/templates.html for further information and instructions. Submissions failing to comply with paper formatting and authors anonymity will be rejected without reviews.

Organising committee
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Program committee (tentative)
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Javier del Ser, Tecnalia, Spain
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Michal Choras, UTP University of Science and Technology, Poland
Boguslaw Cyganek, AGH University of Science and Technology in Krakow, Poland

We look forward to seeing you at the PRAXAI Special Session at DSAA'2021!

Sincerely,
Victor Rodriguez-Fernandez, Szymon Bobek, David Camacho, Grzegorz J. Nalepa