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Explainability in Automated Planning and Robotics

by Senka Krivić, PhD

*Η διάλεξη θα πραγματοποιηθεί την Τρίτη 5 Σεπτεμβρίου 2023, ώρα 10:15
στην Αίθουσα Τηλεδιάσκεψης 2 (Κεντρική Βιβλιοθήκη Ε.Μ.Π.)*

Abstract: This talk provides an introduction to the topic of Explainable Artificial Intelligence (XAI). It emphasizes the significance of transparency and interpretability in AI models. It briefly explores the concept of XAI and its potential applications in various domains, highlighting the growing need for understandable and accountable AI systems. The talk will cover the key concepts and approaches for creating Explainable AI methods for problems of planning and robotics.

Biography:

Senka Krivić is an Assistant Professor at the Faculty of Electrical Engineering at the University of Sarajevo. Formerly, she spent several years as a Research Associate at the Department of Informatics at King's College London as a member of the Planning and Reasoning Group and the Human-AI Teaming (HAT) lab. She obtained Ph.D. degree in Computer Science from the University of Innsbruck at Intelligent and Interactive Systems Group. Her research interests are in Robot Learning, AI Planning and Reasoning, Trusted and Explainable Autonomous Systems and Human-Robot Interaction.

Montenegrin center for underwater sensor networks (MONUSEN)

by Slavica Tomovic, PhD

*Η διάλεξη θα πραγματοποιηθεί την Τρίτη 5 Σεπτεμβρίου 2023, ώρα 11:00
στην Αίθουσα Τηλεδιάσκεψης 2 (Κεντρική Βιβλιοθήκη Ε.Μ.Π.)*

Abstract: The talk presents the ongoing Horizon Europe Twinning project Montenegrin Centre for Underwater Sensor Networks (MONUSEN) and provides an overview of the activities that have taken place during the first year of the project and future plans. MONUSEN strives to create collaborative conditions for the University of Montenegro to trace a clear excellence trajectory in the field of underwater sensor networks. This will be achieved by twinning with European institutions with strong expertise in this field: National Research Council of Italy, University of Zagreb Faculty of Electrical Engineering and Computing, and Newcastle University. The project has four main lines of action: scientific knowledge transfer, joint research on the design of efficient and secure USNs, research management capacity building, and broad networking with USN research stakeholders and industry. The talk will focus on the research results and plans, and strategic measures for increasing scientific involvement and visibility.

Biography:

Slavica Tomovic is an Assistant Professor at the Faculty of Electrical Engineering at the University of Montenegro. She received MSc and Ph.D. degrees at the Department of Telecommunication of the



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Faculty of Electrical Engineering, University of Montenegro, in 2015 and 2019 respectively. Her main fields of research are network quality of service management, underwater acoustic communications, learning-based communication systems, and software-defined networking.

The role of a technology cluster in facilitating collaborative RDI in the maritime technologies domain

by Carlo Kraskovic

Η διάλεξη θα πραγματοποιηθεί την Τρίτη 5 Σεπτεμβρίου 2023, ώρα 11:45 στην Αίθουσα Τηλεδιάσκεψης 2 (Κεντρική Βιβλιοθήκη Ε.Μ.Π.)

Abstract: The role of a technology cluster as main aggregator and facilitator in the maritime technologies production and innovation chain of the Friuli Venezia Giulia region in north east of Italy. The presentation will focus the features of the territory and the role of the cluster in stimulating, creating and guiding collaborative innovation projects involving big industry, SMEs, universities and research centres. In addition, specific focus will be paid on the activity of bridging industry and entrepreneurship with targeted education players in planning and implementing dedicated cooperation activities.

Biography:

Project manager in the Maritime Technology Cluster of Friuli Venezia Giulia Region since 2015, involved in international relations and European and national projects for the cluster, focusses on collaborations with enterprises, research players and public administrations. Graduated with honours in International Political Sciences, collaborated with the University of Trieste focusing studies in the field of maritime and transport economics, had working experiences with stakeholders operating in logistics, maritime and nautical sector.

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