

## **Session Program**

**Sep 19 - 21, 2023**

# **HeKKSaGOn AI Symposium**

## **Plenary**

Alte Mensa, Emmy Noether Room  
Wilhelmsplatz 3, 37073 Göttingen

# Tue, September 19

1:45 PM

## Plenary: Short Presentations I

**Session** | **Location:** Alte Mensa, Emmy Noether Room, Wilhelmsplatz 3, 37073 Göttingen | **Convener:** Stephan Huckemann

1:45 – 2:05 PM

### Challenge to Modular and Heterogeneous AI Robot System for Lunar Exploration

**Speaker**

Kazuya Yoshida

2:05 – 2:25 PM

### Maximum Entropy Force Field Refinement

**Speaker**

Benjamin Eltzner

2:25 – 2:45 PM

### AI Usage Cards: Disclosing AI-generated Content in Scientific Work

**Speaker**

Terry Lima Ruas

2:45 – 3:05 PM

### Sticky Flavors in the Space of Phylogenetic Trees

**Speaker**

Lars Lammers

3:15 PM

3:45 PM

## Plenary

**Session** | **Location:** Alte Mensa, Emmy Noether Room, Wilhelmsplatz 3, 37073 Göttingen | **Convener:** Sven Bingert

3:45 – 4:05 PM

### AI Service Centre for Sensitive and Critical Infrastructures

**Speaker**

Stefanie Mühlhausen

4:05 – 4:25 PM

### Adaptable AI-enabled Robots to Create a Vibrant Society

**Speaker**

Yasuhisa Hirata

4:25 – 4:45 PM

### Embodied intelligence in human-centred robots

**Speaker**

Katja Mombaur

4:45 – 5:05 PM

### Toward Practical Use of Automated Short Answer Scoring: Challenges and Prospects

**Speaker**

Hiroaki Funayama

5:15 PM

## Wed, September 20

1:45 PM

### Plenary

**Session** | **Location:** Alte Mensa, Emmy Noether Room, Wilhelmsplatz 3, 37073 Göttingen | **Convener:** Sven Bingert

1:45 – 2:05 PM

#### Elastic-Net Penalized Quantile Regression for Data Mining Application

**Speaker**

Ahmed Alsayed

2:05 – 2:25 PM

#### AI/ML in cardiovascular medicine

**Speaker**

Tim Friede

2:25 – 2:45 PM

#### Assembling of Modular Components Using "AI-based Teaching-by-Showing" Approach

**Speaker**

Alice Violaine Saletta

2:45 – 3:05 PM

#### A Measure of the Complexity of Neural Representations based on Partial Information Decomposition

**Speaker**

David Alexander Ehrlich

3:15 PM

3:45 PM

### Plenary

**Session** | **Location:** Alte Mensa, Emmy Noether Room, Wilhelmsplatz 3, 37073 Göttingen | **Convener:** Ramin Yahyapour

3:45 – 4:05 PM

#### Development of concepts grounded in sensory information

**Speaker**

Dr Minija Tamosiunaite

4:05 – 4:25 PM

#### Utilization of AI Technology in Dental Practice ~myDentalAI~

**Speaker**

Tomonori Hayami

4:25 – 4:45 PM

#### Infomorphic Networks: A Locally Learning Approach to Neural Computation based on Partial Information Decomposition

**Speaker**

Andreas Schneider

5:15 PM