IAAI-23 Schedule
Thursday, February 9

8:30 AM - 9:30 AM – Ballroom ABC
IAAI-23 Opening Remarks

9:30 AM – 10:45 AM – Room 204BC
Track: Deployed
6734: Developing the Wheel Image Similarity Application with Deep Metric Learning: Hyundai Motor Company Case
*Kyung Pyo Kang*

Track: Emerging
8413: Data-Driven Machine Learning Models for a Multi-Objective Flapping Fin Unmanned Underwater Vehicle Control System
*Julian Lee*

Track: Emerging
6078: Vessel-to-Vessel Motion Compensation with Reinforcement Learning
*Sverre Herland*

Track: Deployed
1038: Trustworthy Residual Vehicle Value Prediction for Auto Finance
*Mihye Kim*

10:45 AM – 11:15 AM
Break

11:15 AM – 12:30 PM – Room 204BC
Track: Deployed
1615: Accurate Detection of Weld Seams for Laser Welding in Real-World Manufacturing
*Muhammad Sarmad*

Track: Deployed
7531: Efficient Training of Large-Scale Industrial Fault Diagnostic Models through Federated Opportunistic Block Dropout
*YuanYuan Chen*

Track: Emerging
2876: SolderNet: Towards Trustworthy Visual Inspection of Solder Joints in Electronics Manufacturing Using Explainable Artificial Intelligence
*Hayden Gunraj*

Track: Emerging
*Carol Xu or video*

12:30 PM - 2:00 PM
Lunch

2:00 PM – 3:15 PM – Room 204BC
Track: Deployed
2733: A Robust and Scalable Stacked Ensemble for Day-Ahead Forecasting of Distribution Network Losses
*Gunnar Grotmol*
Track: Practices/Challenges
3422: A Dataset and Baseline Approach for Identifying Usage States from Non-intrusive Power Sensing with MiDAS IoT-Based Sensors
*Bharath Muppasani*

Track: Integration
*Sara Bernardini*

Track: Deployed
6460: eForecaster: Unifying Electricity Forecasting with Robust, Flexible, and Explainable Machine Learning Algorithms
*ZhaoYang Zhu*

3:15 PM – 3:45PM
Break

3:45 PM – 5:00 PM – Room 204BC
Track: Integration
848: PARCS: A Deployment-Oriented AI System for Robust Parcel-Level Cropland Segmentation of Satellite Images
*ZhiCheng Yang*

Track: Emerging
4930: Grape Cold Hardiness Prediction via Multi-Task Learning
*Aseem Saxena*

Track: Emerging
1438: Embedding a Long Short-Term Memory Network in a Constraint Programming Framework for Tomato Greenhouse Optimisation
*Sebastijan Dumančić*

Track: Deployed
2804: THMA: Tencent HD Map AI System for Creating HD Map Annotations
*Xu Cao + video*

5:00 PM – 6:00 PM – Ballroom ABC

AAAI award for AI for the Benefit of Humanity Lecture

6:00 PM – 7:00 PM – Ballroom ABC
AAAI-23 Invited Talk

**Friday, February 10**

8:30 AM – Ballroom ABC
IAAI Engelmore Award Talk
*Manuela Veloso*

9:30 AM – 10:45 AM – Room 204BC
Track: Deployed
9435: Increasing Impact of Mobile Health Programs: SAHELI for Maternal and Child Care
*Shresth Verma*
Track: Emerging
3953: Phase-Informed Bayesian Ensemble Models Improve Performance of COVID-19 Forecasts
Gursharn Kaur

Track: Emerging
6579: Reward Design for an Online Reinforcement Learning Algorithm Supporting Oral Self-Care
Anna Trella

Track: Deployed
1698: AmnioML: Amniotic Fluid Segmentation and Volume Prediction with Uncertainty Quantification
Video

10:45 AM – 11:15 AM
Break

11:15 AM – 12:30 PM – Room 204BC
Track: Deployed
2768: An Explainable Forecasting System for Humanitarian Needs Assessment
Rahul Nair

Track: Emerging
7821: MobilePTX: Sparse Coding for Pneumothorax Detection Given Limited Training Examples
Darryl Hannan

Track: Emerging
7276: Towards Safe Mechanical Ventilation Treatment Using Deep Offline Reinforcement Learning
Flemming Kondrup

Track: Deployed
4465: OPRADI: Applying Security Game to Fight Drive under the Influence in Real-World
Video

12:30 PM
Lunch

2:00 PM – 3:15 PM – Room 204BC
Panel: AI Assurance
Dr. Laura Freeman, Ima Okonny, Dr. Yevgeniya (Jane) Pinelis, Dr. Jaret C. Riddick, Dr. Michael R. Salpukas

3:15 PM – 3:45PM
Break

3:45 PM – 5:00 PM – Room 204BC
Track: Deployed
5217: Xaitk-Saliency: An Open Source Explainable AI Toolkit for Saliency
Brian Hu

Track: Deployed
1288: Industry-Scale Orchestrated Federated Learning for Drug Discovery
Martijn Oldenhof

Track: Emerging
2140: End-to-End Pipeline for Trigger Detection on Hit and Track Graphs
TingTing Xuan

Track: Emerging
9752: Cosmic Microwave Background Recovery: A Graph-Based Bayesian Convolutional Network Approach
Jadie Adams

5:00 PM – 7:00 PM – Ballroom ABC
AAAI-23 Invited Talks

Saturday, February 11

8:30 AM – 9:30 AM – Ballroom ABC
AAAI-23 Invited Talk

9:30 AM – 10:45 AM – Room 204BC
Track: Deployed
9124: Real-Time Detection of Robotic Traffic in Online Advertising
Anand Muralidhar

Track: Emerging
7243: Detecting VoIP Data Streams: Approaches Using Hidden Representation Learning
Maya Kapoor

Track: Emerging
4314: AnimateSVG: Autonomous Creation and Aesthetics Evaluation of Scalable Vector Graphics Animations for the Case of Brand Logos
Rebecca Armbruster, Sarah Sester, and Deborah Mateja

Track: Deployed
663: NewsPanda: Media Monitoring for Timely Conservation Action
Ryan Shi + Video

10:45 AM – 11:15 AM
Break

11:15 AM – 12:30 PM – Room 204BC
Track: Deployed
7479: Blending Advertising with Organic Content in E-commerce via Virtual Bids
Carlos Carrion

Track: Emerging
1192: Towards Hybrid Automation by Bootstrapping Conversational Interfaces for IT Operation Tasks
Kushal Mukherjee

Track: Emerging
9370: Intuitive Access to Smartphone Settings Using Relevance Model Trained by Contrastive Learning
Video

Track: Deployed
6473: Dynamic Pricing with Volume Discounts in Online Settings
Video

12:30 PM – 2:00 PM
Lunch

2:00 PM – 3:15 PM – Room 204BC
Track: Emerging
2251: Compressing Cross-Lingual Multi-Task Models at Qualtrics
Yashmeet Gambhir

Track: Tool
5577: DetAIL: A Tool to Automatically Detect and Analyze Drift in Language
Nistha Madaan

Track: Emerging
6518: Fault Injection Based Interventional Causal Learning for Distributed Applications
Jesus Rios + Video

Track: Deployed
8700: MuMIC – Multimodal Embedding for Multi-Label Image Classification with Tempered Sigmoid
ZhiQiang Zhou or QingSong Wen

Track: Deployed
9624: AHPA: Adaptive Horizontal Pod Autoscaling Systems on Alibaba Cloud Container Service for Kubernetes
Video

3:15 PM - 3:45 PM
Break

3:45 PM – 4:45 PM – Ballroom ABC
AAAI-23 Invited Talk

4:45 PM – 5:45 PM – Ballroom ABC
AAAI-23 Invited Talk

5:45 PM – 6:30 PM – Ballroom ABC
Awards