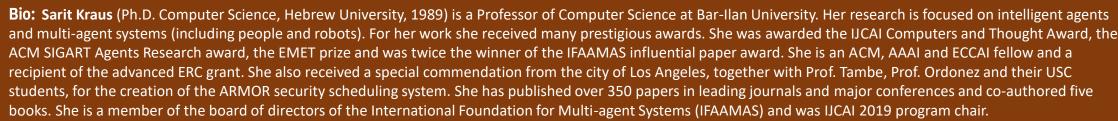# CSIG (Cognitive Systems Institute Group) Panel – Sep 12, 2019 - 10:30-11am US Eastern

Panel Title: Trends and Themes at 28th International Joint Conference on Artificial Intelligence IJCAI-19
Panelists: Professor Sarit Kraus and Dr Francesca Rossi – Panel Chair: Dr Biplav Srivastava

Bio: **Sarit Kraus** (Ph.D. Computer Science, Hebrew University, 1989) is a Professor of Computer Science at Bar-Ilan University. Her research is focused on intelligent agents and multi-agent systems (including people and robots). For her work she received many prestigious awards. She was awarded the IJCAI Computers and Thought Award, the ACM SIGART Agents Research award, the EMET prize and was twice the winner of the IFAAMAS influential paper award. She is an ACM, AAAI and ECCAI fellow and a recipient of the advanced ERC grant. She also received a special commendation from the city of Los Angeles, together with Prof. Tambe, Prof. Ordonez and their USC students, for the creation of the ARMOR security scheduling system. She has published over 350 papers in leading journals and major conferences and co-authored five books. She is a member of the board of directors of the International Foundation for Multi-agent Systems (IFAAMAS) and was IJCAI 2019 program chair.

Bio: **Francesca Rossi** is the IBM AI Ethics Global Leader and a Distinguished Research Staff Member at IBM Research. Her research interests focus on artificial intelligence, including constraint reasoning, preferences, multi-agent systems, computational social choice, and collective decision making. She has published over 190 scientific articles in journals and conference proceedings, and as book chapters. She has co-authored a book and she has edited 17 volumes, between conference proceedings, collections of contributions, special issues of journals, and a handbook. She is a fellow of both the worldwide association of AI (AAAI) and of the European one (EurAI). She has been president of IJCAI (International Joint Conference on AI), an executive councillor of AAAI, and the Editor in Chief of the Journal of AI Research. She is a member of the scientific advisory board of the Future of Life Institute (Cambridge, USA) and a deputy director of the Leverhulme Centre for the Future of Intelligence (Cambridge, UK). She is a member of the European Commission High Level Expert Group on AI and the general chair of the AAAI 2020 conference.

Bio: Biplav Srivastava is a Distinguished Data Scientist and Master Inventor at IBM's Chief Analytics Office. With over two decades of research experience in Artificial Intelligence, Services Computing and Sustainability, most of which was at IBM Research, Biplav is also an ACM Distinguished Scientist and Distinguished Speaker, and IEEE Senior Member. Biplav is exploring new approaches for goal-oriented, ethical, human-machine collaboration via natural interfaces using domain and user models, learning, and planning. He is leading efforts for adoption of AI technologies in a large-scale global business context and understand their impact on workforce. Biplav received MS and PhD from Arizona State University, USA and B.Tech. from IIT-BHU, India, all in Computer Science.

Zoom meeting Link: https://zoom.us/j/7371462221; **Zoom Callin:** (415) 762-9988 or (646) 568-7788 Meeting id 7371462221
Zoom International Numbers: https://zoom.us/zoomconference
Check http://cognitive-science.info/community/weekly-update/ for recordings & slides, and for any date & time changes
Join Linkedin Group: https://www.linkedin.com/groups/6729452/ (**Cognitive Systems Institute**) to receive notifications

Thu, Sep 12, 10:30am US Eastern ❖ https://zoom.us/j/7371462221

More Details Here : http://cognitive-science.info/community/weekly-update/   *@sumalaika*

About International Joint Conference on Artificial Intelligence (IJCAI)

- "IJCAI conferences present premier international gatherings of AI researchers and practitioners and they were held biennially in odd-numbered years since 1969."; Site: https://www.ijcai.org/
- Starting with 2016, IJCAI conferences are held annually
  - **Past**: IJCAI 2016 in New York, NY; IJCAI 2017 in Melbourne, Australia; IJCAI 2018 in Stockholm, Sweden
  - **Latest**: 28th IJCAI, a.k.a IJCAI 2019 held in Macao, China from August 10-16, 2019
  - **Future**: IJCAI-20 in Yokohama, Japan; IJCAI-21 in Montreal, Canada; IJCAI-22 in Bologna, Italy.

Trends and Themes at 28th International Joint Conference on Artificial Intelligence

- Proceedings: https://www.ijcai.org/proceedings/2019/

- Individual Awards: https://www.ijcai19.org/awards.html
  - 2019 Award for Research Excellence is Yoav Shoham , Professor of Computer Science at Stanford University, for contributions to knowledge representation, multi-agent systems, and the economic foundations of AI.
  - 2019 IJCAI Computers and Thought Award is Guy Van den Broeck , Assistant Professor and Samueli Fellow at UCLA, for his contributions to statistical and relational artificial intelligence, and the study of tractability in learning and reasoning.
  - 2019 John McCarthy Award is Pedro Domingos , Professor at the University of Washington, for contributions to machine learning and data science, and to unifying logic and probability.
  - Distinguished Service Award 2019 winner is Francesca Rossi , Professor of Computer Science at the University of Padova, Italy, and Distinguished Research Staff Member of IBM Research, where she is the AI Ethics Global Leader, for her substantial contributions, as well as her extensive service to the field of Artificial Intelligence in various roles throughout her career.

Awards Related to IJCAI 2019 Program

- **Distinguished paper**
  - **Boosting for Comparison-Based Learning**
    Michael Perrot, Ulrike von Luxburg

- **Honorable Mention**
  - **Portioning using Ordinal Preferences: Fairness and Efficiency**
    Stéphane Airiau, Haris Aziz, Ioannis Caragiannis, Justin Kruger, Jérôme Lang, Dominik Peters
  - **Out of Sight But Not Out of Mind: An ASP Based Online Abduction Framework for Visual Sensemaking in Autonomous Driving**
    Jakob Suchan, Mehul Bhatt, Srikrishna Varadarajan

- **Best Demos**
  - **Innovation award**
    - Winner: Han Yu, Yang Liu, Xiguang Wei, Chuyu Zheng, Tianjian Chen, Qiang Yang, Xiong Peng: Fair and Explicable Dynamic Engagement of Workers.
    - Runner-up: Haipeng Chen, Jing Liu, Rui Liu, Noseong Park, V.S. Subrahmanian: VEST: A System for Vulnerability Exploit Scoring & Timing.
  - **Application Impact award**
    - Winner: Matthew Peveler, Jeffrey Kephart, Hui Su: Reagent: Converting Ordinary Webpages into Interactive Software Agents.
    - Runner-up: Shohreh Haddadan, Elena Cabrio, Serena Villata: DISPUTool -- A tool for the Argumentative Analysis of Political Debates.