

PGR Workshop 2021 – Program

May 5,6, 2021

Liverpool (virtual), UK

Wednesday, May 5: Morning Sessions

09:00 – 09:15 **Welcome**

09:15 – 10:30 **3x 20 (+5) -minutes Talks**

- Tsili Antonia. Continuous Optimisation Problems in Crystal Structure Prediction.
(IPAP: Tsakalidis, Zamaraev)
- Varloot Estelle. Voting with probabilities : Keeping the honesty when concerned about thresholds.
(IPAP: Ibsen-Jensen, Christodoulou)
- Kypridemou Elektra. Graph Drawing and the Perception of Graphs.
(IPAP: Potapov, Tsakalidis)

10:30 – 10:45 **Coffee Break**

10:45 – 12:25 **4x 20 (+5) -minutes Talks**

- Alghamdi Hadeel. Peak Picking in Multidimensional NMR Spectra Using Machine Learning.
(IPAP: Yates, Goulermas)
- Alharbi Haneen. NMR data interpretation via constraints satisfaction approach.
(IPAP: Yates, Tsakalidis)
- Mirauta Dumitru. Nonlinear unmixing via optimal transport.
(IPAP: Fearnley, Tsakalidis)
- Capponi Simona. Integrating Predicted Data into Bayesian Optimization.
(IPAP: Savani, Ibsen-Jensen)

12:25 – 13:25 **Lunch Break**

Wednesday, May 5: Afternoon Sessions

13:25 – 14:40 3x 20 (+5) -minutes Talks

- Thamo Emese. Expectations for Explanations.
(IPAP: Savani, Schewe)
- Almarwani Maryam. Release-Aware In-Out Encryption Adjustment Policy.
(IPAP: Grasso, Schewe)
- Xu Yanhua. Artificial Intelligence in infectious diseases.
(IPAP: Huang, Schewe)

14:40 – 15:00 Tea Break

15:00 – 16:15 3x 20 (+5) -minutes Talks

- Cao Guanqun. Sensory Synergy of Vision and Touch in Perception.
(IPAP: Payne, Huang)
- Jiang Jiaqi. Transparent Object Perception and Manipulation.
(IPAP: Payne, Huang)
- Alexandridis Konstantinos. Cost Sensitive Learning for Foreground Imbalance in Object Detection.
(IPAP: Payne, Nguyen)

Thursday, May 6: Morning Sessions

09:15 – 10:30 3x 20 (+5) -minutes Talks

- Muhammad Iqra. Knowledge graphs and its application to document ranking.
(IPAP: Dures, Huang)
- Wu Dengyu : Energy-efficient Spiking Neural Network.
(IPAP: Zhang, Bane)
- Xu Peipei. Towards the Quantification of Safety Risks in Deep Neural Networks.
(IPAP: Goulermas, Yi)

10:30 – 10:45 Coffee Break

10:45 – 12:25 4x 20 (+5) -minutes Talks

- Zhong Yinzheng. Online process mining for intrusion detection.
(IPAP: Konev, Potapov)
- Qi Jing. Data Prioritisation in the Absence of a Ground Truth.
(IPAP: Konev, Anosova)
- Alharbi Reham. Investigation of ontology reuse matching theory to practice.
(IPAP: Konev, Coenen)
- Alshareef Amany. Analysing Deep Neural Networks Features Using Weighted Features Model.
(IPAP: Coenen, Wojtczak)

12:25 – 13:25 Lunch Break

Thursday, May 6: Afternoon Sessions

13:25 – 14:40 3x 20 (+5) -minutes Talks

- Pitsikalis Emmanouil: Expressive logic based complex event recognition.
(IPAP: Amen, Kuijer)
- Roxburgh Andrew. Predicting Infant Language Acquisition.
(IPAP: Amen, Nguyen)
- Triommatis Theofilos. A greedy localisation algorithm and associated geometric intersection problems.
(IPAP: Wong, Michail)

14:40 – 15:00 Tea Break

15:00 – 16:15 3x 20 (+5) -minutes Talks

- Alkhuzaey Samah. Data-driven item difficulty prediction.
(IPAP: Dunne, Thomason)
- Durdy Samantha: Property prediction in inorganic chemistry.
(IPAP: Darling, Kurlin)
- Bright Matthew: A combinatoric approach to the topological characterisation of 2- and 3-periodic structures.
(IPAP: Lisitsa, Zamaraev)