**Thursday, March 21, 2024**

### Registration

#### Welcome & Introduction

- **12:00 noon** *(Tentative schedule - subject to change)*

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### User Modelling

<table>
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<th>Time</th>
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| 9:00 am | **96-FULL** Adapation of the Multi-Concept Multivariate Elo Rating System to Medical Students’ Training Data  
Ena Nihan Kandomaklı, Ulviye Vic, Adil Sanchez-Ayate, Ozlem Palombi and Franck Ramos                                          |
| 10:00 am | **192-FULL** Large language modal augmented exercise retrieval for personalized language learning  
Austen Xu, Will Monroe and Kinton Bicknell                                                                                      |
| 11:00 am | **248-FULL** Predicting challenge moments from students’ discourse: A comparison of large language models to other natural language processing approaches  
Wannapon Surawarchai, Jennifer Scan and Multi-cellular  |
| 12:00 noon | **81-FULL** Feedback on Feedback: Comparing Classic Natural Language Processing and Generative AI to Evaluate Peer Feedback  
Stephen Hutt, Allison DePro, Joanne Wang, Samuel Rhodes, Ryan S. Baker, Grayson Hobb, Sheila Suthuraman, Jaclyn Oompopa and Caitlin Mills |
| 1:00 PM  | **266-FULL** Prompt-based and Fire-based GPT Models for Contingent-Dependent and Independent Deductive Coding in Social Annotation  
Chenyu Hou, García-Zhu, Juan Zheng, Lian Zhang, Xiaohui Huang, Tianlong Zhong, Shan Li, Hansel D. Du and Chin Lee Ke |

### NLP

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| 9:00 am | **151-FULL** Does Difficulty even Matter? Investigating Difficulty Adjustment and Practice Behavior in an Open-Ended Learning Task  
Anan Schütz, Tobias Huber, Jauwaier Nasr, Cristina Conati and Elisabeth André                                          |
| 10:00 am | **206-FULL** Student Effort and Progress Learning Analytics Data Inform Teachers’ SEL Discussions in Math Class  
Natalie Brezack, Yvonne Chan and Mingyu Fang                                                                                      |
| 11:00 am | **178-FULL** The Sequence Matters in Learning - A Systematic Literature Review  
Manuel Valle Torre, Marcus Spacht and Catharine Oertel                                                                                     |
| 12:00 noon | **187-FULL** Learner Modeling and Recommendation of Learning Resources using Personal Knowledge Graphs  
Qurat Ull Ain, Ahmed Amine Chatti, Paul Arthur Meteng Kamdem, Rabaa Aliabadi, Shoba Joarder and Clara Steppmann |

### Affective Learning

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| 9:00 am | **103-FULL** Difficulty Adjustment and Practice Behavior  
Anan Schütz, Tobias Huber, Jauwaier Nasr, Cristina Conati and Elisabeth André                                          |
| 10:00 am | **147-FULL** Exploring Confusion and Frustration as Non-linear Dynamical Systems  
Elizabeth B. Cloudle, Anabíl Muree, J. M. A. L Andrés, Jaclyn Oompopa, Ryan S. Baker and Gautam Biswas |

### Coffee Break

**Lunch / Annual General Meeting SoLAR**

12:00 noon *(Tentative schedule - subject to change)*

12:30 PM *(Tentative schedule - subject to change)*

### Across Contexts

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| 1:00 pm | **92-PRAC** Enhancing Workplace Training Efficiency: An Exploration of Employees’ Behavioral Patterns on Training Outcome Using Learning Analytics  
“BEST PAPER REPORT NOMINEE“  
Weihan Lin, Xingheng Wang, Xiaohan Huang, Mengyu Liang and Yhua Wu |
| 1:30 pm | **353-PRAC** Navigating Disagreement: AI Assistance to Uncover Peer Feedback Disadvantages  
“BEST SHORT PAPER NOMINEE“  
M Parvez Rashid, Edward F Gehring and Hassan Khosravi |
| 2:00 pm | **363-PRAC** Minds and Machines United: Deciphering Team Social and Cognitive Dynamics with AI  
Mohammad Amin Samadi, Spencer Jacoby, Yewen Lin, Elham Ta’kh, Seehee Park and Nia Nixon |
| 2:30 pm | **143-PRAC** “Close… but not as good as an educator” - Using ChatGPT to provide formative feedback in large-class collaborative learning  
Cory Dal Ponte, Sathishan Dhamytharan and Kayley Lyons |
| 3:00 pm | **147-PRAC** Evaluating the Use of New Analytics of Canvas LMS in Language Education: A Case Study Report from a Hong Kong University  
Manasathe Kusnazarov and Delian Gaskall |
| 3:30 pm | **191-PRAC** The Data Hub of the Institute for the Future of Education  
Hector G. Ceballos, Gerard Castañeda, Joana Alvarez-Urribe, Patricia Mejía-Almada and Ubaldo Martínez-Carranza |
| 4:00 pm | **233-PRAC** Implementing learning analytics in data-poor contexts: the role of an institutional data audit  
Christine Orukue, Adewale Adesina, Felix Koyode Olashkehin and Oluwasanmi Philip Okyedeye |
| 4:30 pm | **134-PRAC** Understanding Knowledge Convergence in a Cross-cultural Online Context: An Individual and Collective Approach  
Mengtong Xiang, Jingjing Zhang and Yue Li |
| 5:00 pm | **333-PRAC** Navigating Disagreement: AI Assistance to Uncover Peer Feedback Disadvantages  
**“BEST SHORT PAPER NOMINEE“**  
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| 5:30 pm | **232-PRAC** Implementing learning analytics in data-poor contexts: the role of an institutional data audit  
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### AI

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### Concurrent Sessions

#### Networking and Special Interest Groups (SIGs)

### Sightseeing / Free Time

Conferences Dinner

Starts at 6:30pm

Tickets are included in full conference package or by separate purchase. Space is limited.
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>7:30 am</td>
<td>Registration</td>
</tr>
<tr>
<td>8:00 am</td>
<td>Welcome &amp; Introduction</td>
</tr>
<tr>
<td>9:00 am</td>
<td>Keynote #3: Using Artificial Intelligence to Enhance Human Intelligence</td>
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<td>Dr. Kristen Dicero, Khan Academy</td>
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<td>10:00 am</td>
<td>Coffee Break</td>
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<td>10:30 am</td>
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<td>Ethics</td>
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**Panel: Industry Collaboration**

**Trustworthy Analytics**

**Prediction / At-risk**

**Teacher Centered**

**Participatory Design**

**Diverse Methodologies**

**MMLA**

**Coffee Break**

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*Tentative schedule - subject to change*

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