



#### 14.00 - 17.00

## Sessions 3 & 4: Track 1 - Intelligent Tutoring Systems

#### Session 3

Session Chair: Dr. Stelios Karagiannis ACCESS TO THE SESSION

#### T1:#56

Guy Carlos Tamkodjou Tchio, Marc-Antoine Courtemanche, Roger Nkambou, Ange Adrienne Nyamen Tato and Valéry Psyché (F)

Integrating an Ontological Reference Model of Piloting Procedures in ACT-R Cognitive Architecture to simulate piloting tasks

## T1:#41

Amel Yessad (F)

Using the ITS components in improving the Qlearning policy for instructional sequencing

## T1:#62

Reva Freedman, Lucas Edwards, Ian Sullivan, Dean LaBarbera and Virginia Naples (F)

Teaching Cardiovascular Physiology with a Minigame-based ITS

## T1:#63

Emmanuel Blanchard (F)

Expert-centered design recommendationsto promote engagement in authoring activities of adaptive learning technologies

## T1:#49

Marc-Antoine Courtemanche, Ange Adrienne Tato and Roger Nkambou (F)

A Framework for Automatic Task Ontology Execution in a Complex Environment

## T1:#34

Mariana-Madalina Nastase and Elvira Popescu (S) Towards Integrating Learnersourcing, Microlearning and Gamification in Moodle Session 4 Session Chair: Ms. Katia Kermanidis ACCESS TO THE SESSION

#### T1:#51\*

Hemilis Rocha, Patrícia Tedesco, Evandro Barros and Julios Rocha (F)

## An approach for detecting gaming the system behavior in programming problem solving

## T1:#55\*

Fuhua Lin and Supun De Silva (F) An Approach to Generating Adaptive Feedback for Online Formative Assessment

## T1:#40\*

Tomasz Sosnowski, Moh'D Abuazizeh, Thomas Kirste and Kristina Yordanova (F)

Development of a Conversational Agent for Tutoring Nursing Students to Interact with Patients

#### T1:#3\*

Michał Maćkowski, Mateusz Kawulok, Piotr Brzoza and Dominik Spinczyk (F)

Method and Tools to Supporting Math Learning in Inclusive Education of Blind Students

#### T1:#47\*

Bert Bredeweg, Marco Kragten, Joanna Holt, Dennis Vaendel, Joris Hanse, and Steven Bloemen (F)

Stargazing Live! Inspiring with real data in a mobile planetarium and learning through conceptual modelling

## T1:#42\*

Alyssa Hajj Assaf, Hamdi Ben Abdessalem and Claude Frasson (F) Detecting Mental Fatigue in Intelligent Tutoring Systems

## 17.00 - 19.00

## **SATELLITE EVENT - PART 1**

#### ACCESS TO THE SESSION Session Chair: Ms. Katia Kermanidis

EN.I.R.I.S.S.T.+ (<u>https://enirisst-plus.gr/</u>) is an intelligent National Research Infrastructure that aims to be the center of excellence in Shipping, Transport and Supply Chain in Greece by incorporating AI solutions therein. Project partners from all over the country will present their research progress and achieved results within the project.

RECEPTION

19.00 - 20.00

In the Garden of Science of History Building





# **19<sup>TH</sup> INTERNATIONAL CONFERENCE ON** Intelligent Tutoring Systems

"AUGMENTED INTELLIGENCE and ITS"





#### 10.00 - 13.10

**JUNE 4** 

## Session 5 & 6: Track 1 - Intelligent Tutoring Systems

#### Session 5

Session Chair: Dr. Despina Mouratidou ACCESS TO THE SESSION

#### T1:#2

Vladymyr Meitus and Clara Simon de Blas (S) Functional programming of intelligent systems

## T1:#10

George Zografos and Lefteris Moussiades (S) A GPT-based Vocabulary Tutor

## T1:#18

Hiba Gharbaoui, Khalifa Mansouri and Franck Poirier (S) Towards a social learning analysis using LMS and LXP to predict learners' success

## T1:#22

Stavros A. Nikou and Maiga Chang (S)

Learning by Building Chatbot: A System Usability Study and Teachers' Views about the **Educational Uses of Chatbots** 

## T1:#28

Viktor Ualev (S)

Explanatory didactic dialogue in the Intelligent Tutoring Systems based on the cross-cutting approach

## T1:#61

Junya Morita, Masaji Kano, Shigen Shimojo, Yoshimasa Ohmoto and Yugo Hayashi (S)

Model-based Support for Collaborative Concept Mapping in an Open-ended Domain

## T1:#50

Maryam Ghaderi, Amin Bonyad Khalaj, Hamdi Ben Abdessalem and Claude Frasson (F)

Attention Assessment of Aircraft Pilots Using Eye Tracking

## T1:#37

Natawut Monaikul and Barbara Di Eugenio (F) **Detecting Interlingual Errors: The Case of** Prepositions

Session 6 Session Chair: Ms. Maria Nefeli Nikiforou ACCESS TO THE SESSION

#### T1:#59\*

Fatma Miladi, Daniel Lemire and Valéry Psyché (S)

Learning Engagement and Peer Learning in MOOC: A Selective Systematic Review

#### T1:#38\*

Anis Bey and Ronan Champagnat (S) **Toward a Smart Tool for Supporting Programming Lab** Work

## T1:#20\*

Paulo Roberto Cordova, Iderli Pereira de Souza Filho, Gilleanes Thorwald Araujo Guedes and Rosa Maria Vicari (S)

ETHOSCHOOL: An Artificial Moral Agent Model for **Collaborative Learning** 

## T1:#57

Michele La Barbera, Filippo Sciarrone and Marco Temperini (S) Helping Teachers to Analyze Big Sets of Concept Maps

## T1:#58

Injila Rasul, Francisco Castro and Ivon Arroyo (S) **Towards Embodied Wearable Intelligent Tutoring Systems** 

## T1:#48

Maryam Ghaderi, Hamdi Ben Abdessalem, Maxime Antoine and Claude Frasson (S)

**Estimation of Piloting Attention Level Based on the Correlation of Pupil Dilation and EEG** 

## T1:#64

Ted Krahn, Rita Kuo and Maiga Chang (S) Personalized Study Guide: A Moodle Plug-in **Generating Personal Learning Path for Students** 

## T1:#44

Mehnuma Tabassum Omar, Nafisul Kiron and Julita Vassileva (S)

iQUIZ!: A Collaborative Learning Tool for Promoting **Growth Mindset using Persuasive Strategies** 

T1:#31

Heeseok Jung, Jaesang Yoo, Yohaan Yoon, and Yeonju Jang (F) Language Proficiency Enhanced Knowledge Tracing



#### 13.10 - 14.00

14.00 - 17.20

## LUNCH BREAK

#### Sessions 7 & 8:

- Track 3: Augmented Intelligence in Games, Serious Games and Virtual Reality
- Track 5: Augmented Intelligence and Metaverse
- Track 6: Security, Privacy and Ethics in Augmented Intelligence
- Track 7: Applied Natural Language Processing

#### Session 7

Session Chair: Dr. Kalliopi Kastampolidou ACCESS TO THE SESSION

#### T6:#30

Dimitrios Tzimas and Stavros Demetriadis (F) Culture of Ethics in Adopting Learning Analytics

#### T6:#7

Ana Matías and Iraide Zipitria (S) Promoting Ethical Uses in Artificial Intelligence Applied to Education

#### T3:#39

Jindi Wang, Ioannis Ivrissimtzis, Zhaoxing Li, Yunzhan Zhou and Lei Shi (F)

User-Defined Hand Gesture Interface to Improve User Experience of Learning American Sign Language

#### T3:#46

Mahdi Zarour, Hamdi Ben Abdessalem and Claude Frasson (F)

Expert-centered design recommendationsto promote engagement in authoring activities of adaptive learning technologies

#### T5:#54

Benedikt Hensen (F) Mixed Reality Agents as Language Learning Tutors

#### T5:#45

Doru Anastasiu Popescu, Daniela Maria Cristea and Nicolae Bold (F)

On an integrated assessment for the students within an academic consortium

#### T5:#25\*

Azza Basiouni (S)

Metaverse and Virtual Environment to improve attention deficit hyperactivity disorder (ADHD) students' learning

#### Christos Troussas, Christos Papakostas, Akrivi Krouska, Phivos Mylonas and Cleo Sgouropoulou (F)

**ACCESS TO THE SESSION** 

Personalized feedback using Natural Language Processing in Intelligent Tutoring Systems

## T7:#16\*

Session 8

T7:#86

Kentaro Shiga and Naoyuki Morimoto (F)

Session Chair: Mr. Thomas Papikinos

Joint Topic Model with Selected Side Information for Inter-University Syllabus Analysis Focusing on the Variety of Instructional Approaches

T7:#36\*

Rita Kuo, Maria F. Iriarte, Di Zou and Maiga Chang (F)

Preliminary Performance Assessment on Ask4Summary's Reading Methods for Summary Generation

#### T7:#26\*

Qiongqiong Liu, Zitao Liu, Shuyan Huang, Jiahao Chen, Xiangyu Zhao, Yuyu Zhou and Weiqi Luo (F)

SC-Ques: A Sentence Completion Question Dataset for English as a Second Language Learners

#### T7:#19

Solomon Ubani and Rodney Nielsen (F)

Improving Collaboration via Automated Intelligent Nudges

#### T7:#52

Laila Alrajhi and Alexandra Cristea (F) **Plug & Play with Deep Neural Networks: Classifying Posts that Need Urgent Intervention in MOOCs** 

## T7:#12

Stavros Demetriadis and Yannis Dimitriadis (S)

Conversational Agents and Language Models that learn from Human Dialogues to Support Design Thinking

## 17.30 - 18.30

## **SATELLITE EVENT - PART 2**

#### ACCESS TO THE SESSION Session Chair: Ms. Katia Kermanidis

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**GALA DINNER** 



#### **19<sup>TH</sup> INTERNATIONAL CONFERENCE ON** Intelligent Tutoring Systems "AUGMENTED INTELLIGENCE and ITS" MONDAY, JUNE 5 **ACCESS TO THE SESSION** 9.30 - 10.30 **Keynote Speech** Panos Kourouthanassis, Professor and Dean of the Faculty of Information Science & Informatics, **Department of Informatics, Ionian University, Greece** Designing immersive information systems in the era of artificial intelligence 10.30 - 12.50 Sessions 9 & 10: Track 2: Augmented Intelligence in Healthcare Informatics Track 4: Neural Networks and Data Mining Session 9 Session 10 Session Chair: Prof. Panagiotis Kourouthanasis Session Chair: Ms. Maria Nikopoulou **ACCESS TO THE SESSION ACCESS TO THE SESSION** T2:#60\* T4:#29 Tingfeng Pan, Guang Feng, Xin Liu and Wenyan Wu (F) Manuel Rebol, Alexander Steinmaurer, Florian Gamillscheg, Krzysztof Pietroszek, Christian Gütl, **Using Feature Interaction for Mining Learners'** Claudia Ranniger, Colton Hood, Neal Sikka and Adam Hidden Information in MOOC Dropout Prediction Rutenberg(F) **CPR Emergency Assistance through Mixed Reality Communication** T2:#17\* T4:#32 Bharat Shankar and Carol Harareaves (S) Ange Adrienne Nyamen Tato, Roger Nkambou and Gabrielle Joyce Nana Tato (F) Multimodal learning for clinical risk prediction in Automatic learning of piloting behavior from flight **Intensive Care Units** data T2:#27 T4:#53 Yves S. Nkulu-Ily (F) Massimo Pietracupa, Hamdi Ben Abdessalem and Claude Frasson(F) Combining XR and AI for integrating the best pedagogical approach to providing feedback in An Approach to Automatic Flight Deviation Detection Surgical Medical Distance Education T2:#35 T4:#9 Hamdi Ben Abdessalem and Claude Frasson (F) Zhaoxing Li, Lei Shi, Yunzhan Zhou and Jindi Wang (S) **Towards Student Behaviour Simulation: A Decision Emotional Impact of Cognitive Priming on Alzheimer's Disease Transformer based Approach** T2:#11 Xiaoshan Huang, Shan Li and Susanne Lajoie (F) The Relative Importance of Cognitive and Behavioral Engagement to Task Performance in Self-Regulated Learning With an Intelligent Tutoring System **CLOSING SESSION AND BEST PAPER AWARDS** 13.00 - 13.30 **ACCESS TO THE SESSION \*\* NOTE** Duration of the Full paper (F) presentation is 25 minutes + 5 minutes for OA Duration of the Short paper (S) presentation is 15 minutes + 5 minutes for QA

