

Detailed Program of the 13th ICCCI 2021 Conference

Wednesday 29/9/2021

**9:00–17:30 Registration & Support Room - Hybrid, On site and Online, ICCCI 2021
Registration & Support Room**

**9:15-9:45 Opening - Welcome message by the Organizers, Hybrid - On site and Online,
ICCCI 2021 Room A**

9:45-11:00, Hybrid - On site and Online, ICCCI 2021 Room A

**Keynote 1: “Toward a Computing Model Dealing with Complex Phenomena: Interactive
Granular Computing”**

Chair: Prof. Ngoc Thanh Nguyen

Keynote Speaker: Professor Andrzej Skowron

Systems Research Institute, Polish Academy of Sciences and Digital Science and
Technology Centre, UKSW, Warsaw, Poland

Homepage: <https://scholar.google.com/citations?user=fYu9ryIAAAJ>

11:00–11:15 Coffee Break

11:15-12:45, Hybrid - On site and Online, ICCCI 2021 Room A

Session 1, MIN-1 (Data Mining and Machine Learning-1)

Chair: Dr. Bogumila Hnatkowska

Hybrid Computational Intelligence Modeling of Coseismic Landslides’ Severity

*Anastasios Panagiotis Psathas, Antonios Papaleonidas, George Papathanassiou,
Lazaros Iliadis, Sotirios Valkaniotis*

Morphological analysis of histopathological images using deep learning

Artur Zawisza, Martin Tabakov, Konrad Karanowski, Krzysztof Galus

Convolutional neural networks with dynamic convolution for time series classification

Krisztian Buza, Margit Antal

Decision Combination in Classifier Committee Built on Deep Embedding Features

Jacek Trelinski, Bogdan Kwolek

11:15-12:45, Hybrid - On site and Online, ICCCI 2021 Room B

Session 2, SIMS (Smart Industry and Management Systems)

Chair: Prof. Rafal Cupek

An Analysis of Convolutional Neural Network Models for classifying Machine Tools

Leonid Koval, Daniel Pfaller, Muehenad Bilal, Rafal Cupek, Markus Bregulla

Low-level wireless and sensor networks for Industry 4.0 communication - presentation

Please note that ICCCI 2021 will be a Hybrid Conference with several on-site sessions, so all times are based on Athens local time (Eastern European Summer Time – EEST Time Zone)

Anne-Lena Kampen, Marcin Fojcik, Rafal Cupek, Jacek Stoj

Ontology-based Approaches for Communication with Autonomous Guided Vehicles for Industry 4.0

Rafal Cupek, Marcin Fojcik, Piotr Gaj, Jacek Stój

UAV-UGV Multi-Robot System for Warehouse Inventory: Scheduling Issues

Frédéric Guinand, François Guérin, Etienne Petitprez

Testing for Data Quality Assessment: A Case Study from the Industry 4.0 Perspective

Dariusz Krol, Tomasz Czarnecki

11:15-12:45, Online - ICCCI 2021 Room C

Session 3, SOC-1 (Social Networks and Recommender Systems-1)

Chair: Prof. Jan Treur

The Effect of Emergent Team Roles on Team Performance: a Computational Network Model

Shairoz A. Evegroen, Yagel Schoonderbeek, Jan Treur

Equilibrium Analysis for Within-Network Dynamics: From Linear to Nonlinear Aggregation

Jan Treur

A Second-Order Adaptive Network Model for Shared Mental Models in Hospital Teamwork

Laila van Ments, Jan Treur, Jan Klein, Peter Roelofsma

Deep Matrix Factorization for Learning Resources Recommendation

Dien Tran Thanh, Thanh-Hai Nguyen, Thai-Nghe Nguyen

Social recommendation for Social Networks Using Deep Learning Approach: A Systematic Review

Ali Selamat, Ondrej Krejcar, Muhammad Alrashidi, Roliana Ibrahim

11:15-12:45, Online - ICCCI 2021 Room D

Session 4, IOTCTCI-1 (Internet of Things and Computational Technologies for Collective Intelligence-1)

Chair: Prof. Madina Mansurova

Detecting School Violence Using Artificial Intelligence to Interpret Surveillance Video Sequences

Batyrkhan Omarov, Sergazy Narynov, Zhandos Zhumanov, Aidana Gumar, Mariyam Khassanova

Audio surveillance: Detection of Audio-based Emergency Situations

Rustam Abdrakhmanov

Algorithmic approach to building a route for the removal of household waste with associated additional loads in the "Smart Clean City" project

Olga Dolinina, Vitaly Pechenkin, Madina Mansurova, Dana Tolek, Serik Ixanov

Understanding bike sharing stations usage with chi-square statistics

Aliya Nugumanova, Almasbek Maulit, Madina Mansurova, Yerzhan Baiburin

Intelligent system for assessing the socio-economic situation in the region

Sholpan Jomartova, Talgat Mazakov, Daryn Mukhayev, Aigerim Mazakova, Gauhar Tolegen

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12:45–13:00 Social (at all rooms)

13:00–14:00 Lunch Break

14:00-15:30, Hybrid - On site and Online, ICCCI 2021 Room A

Session 5, MIN-2 (Data Mining and Machine Learning-2)

Chair: Prof. Ireneusz Czarnowski

Feature (gene) clustering with collinearity models

Leon Bobrowski, Paweł Zabielski

Entropy Role on Patch-Based Binary Classification for Skin Melanoma

Guillaume Lachaud, Patricia Conde-Cespedes, Maria Trocan

Semantic Segmentation of Small Region of Interest for Agricultural Research Applications

Dan Popescu, Loretta Ichim, Andrei Sava

Learning from imbalanced data using over-sampling and the firefly algorithm

Ireneusz Czarnowski

An Implementation of formal framework for collective systems for air pollution prediction

Rafał Palak, Krystian Wojtkiewicz, Mercedes G Merayo

14:00-15:30, Hybrid - On site and Online, ICCCI 2021 Room B

Session 6, SOC-2 (Social Networks and Recommender Systems-2)

Chair: Prof. Mirjana Ivanović

Erroneous Coordinated Sentences Detection in French Students Writings

Laura Noreskal, Iris Eshkol-Taravella, Marianne Desmets

Modeling an Epidemic - Multiagent Approach Based on an Extended SIR Model

Mihailo Ilić, Mirjana Ivanović

Behavioral Anomaly Model for Detecting Compromised Accounts on a Social Network

Antonín Fuchs, Miroslava Mikusova

Session based recommendations using char-level Recurrent neural networks

Ondrej Krejcar, Michal Dobrovolný, Ali Selamat, Jaroslav Langer

Collective Consciousness Supported by the Web: healthy or toxic?

Shima Beigi, Francis Heylighen

14:00-15:30, Online - ICCCI 2021 Room C

Session 7, LRLP-1 (Low Resource Languages Processing-1)

Chair: Dr. Andrzej Sieminski

Integrated technology for creating quality parallel corpora

Zhandos Zhumanov, Ualsher Tukeyev

Development and study of a post-editing model for Russian-Kazakh and English-Kazakh translation based on machine learning

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Diana Rakhimova, Kamila Sagat, Kamila Zhakypbaeva, Aliya Zhunussova
Universal Programs for Stemming, Segmentation, Morphological Analysis of Turkic Words
Ualsher Tukeyev, Aidana Karibayeva, Aliya Turganbayeva, Dina Amirova
Morphology model and segmentation for Old Turkic language
Dinara Zhanabergenova, Ualsher Tukeyev
Conversational Machine Reading Comprehension for Vietnamese Healthcare Texts
Son Luu, Mao Bui, Loi Nguyen, Khiem Tran, Kiet Nguyen, Ngan Nguyen

14:00-15:30, Online - ICCCI 2021 Room D

Session 8, IOTCTCI-2 (Internet of Things and Computational Technologies for Collective Intelligence-2)

Chair: Prof. Madina Mansurova

Application of traditional machine learning models to detect abnormal traffic in the Internet of Things networks

Evgeniya Istratova, Mikhail Grif, Dmitry Dostovalov

Autonomic Nervous System Assessment based on HRV analysis During Virtual Reality Serious Games

Mariana Jacob Rodrigues, Octavian Postolache, Francisco Cercas

Integration of PSO Algorithm and Fuzzy Logic to Reduce Energy Consumption in IoT based Wireless Sensor Networks

Behnam Seyedi, Octavian Postolache

Security and Scalability in Private Permissionless Blockchain: Problems and Solutions Leading to Creating Consent-as-a-Service (CaaS) Deployment

Hanna Grodzicka, Michal Kedziora, Lech Madeyskii

AI Threat Detection and Response on Smart Networks

Kostantinos Demertzis, Lazaros Iliadis

15:30–15:45 Coffee Break

15:45-17:15, Hybrid - On site and Online, ICCCI 2021 Room A

Session 9, IWCIM-1 (Computational Intelligence for Multimedia Understanding-1)

Chair: Prof. Bogdan Kwolek

Infrared Thermography and Computational Intelligence in Analysis of Facial Video-Records

Ales Prochazka, Hana Charvatova, Oldrich Vysata

Optimized Texture Spectral Similarity Criteria

Michal Havlicek, Michal Haindl

Bi-RDNet: Performance Enhancement for Remote Sensing Scene Classification with Rotational Duplicate Layers

Erdem Safa Akkul, Berk Arıcan, Behçet Uğur Töreysin

Underground Archeological Structures Detection

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Anna Moudra, Michal Haindl

A Deep Learning Approach for Hepatic Steatosis Estimation from Ultrasound Imaging

Sara Colantonio, Antonio Salvati, Claudia Caudai, Ferruccio Bonino, Laura De Rosa, Maria Antonietta Pascali, Danila

15:45-17:15, Hybrid - On site and Online, ICCCI 2021 Room B

Session 10, IIS (Innovations in Intelligent Systems)

Chair: Dr. Marek Kopel

Recognition of changes in the psychoemotional state of a person by the video image of the pupils

Marina Boronenko, Oksana Isaeva, Yuri Boronenko, Vladimir Zelensky, Pavel Gulyaev

Which gameplay aspects impact the immersion in virtual reality games?

Marek Kopel, Marta Rutkowska

Method for estimating semantics distance of texts based on used terms analysis

Krystian Wojtkiewicz, Michał Kawa

Describing semantics of data metamodels: A case study of Association-Oriented Metamodel

Marcin Jodłowiec, Marek Krótkiewicz

Impact of the Stroop Effect on Cognitive Load Using Subjective and Psychophysiological Measures

Patient Zihisire Muke, Mateusz Piwowarczyk, Zbigniew Telec, Bogdan Trawinski, Putri Ayu Maharani, Patryk Bresso

15:45-17:15, Online - ICCCI 2021 Room C

Session 11, LRLP-2 (Low Resource Languages Processing-2)

Chair: Prof. Ismail Biskri

Is Wikipedia Easy to Understand?: A Study beyond Conventional Readability Metrics

Simran Setia, S.R.S. Iyengar, Amit Arjun Verma, Neeru Dubey

Development and study of an approach for determining incorrect words of the Kazakh language in semi-structured data

Yntymak Abdrazakh, Aliya Turganbayeva, Diana Rakhimova

Developing a Prescription Recognition System Based on CRAFT and Tesseract

Triet Nguyen Trong, Dat-Vu Nguyen Vuong, Thanh Le

Bigram based Deep Neural Network for Extremism Detection in Online User Generated Contents in the Kazakh Language

Shynar Mussiraliyeva, Batyrkhan Omarov, Milana Bolatbek, Zhanna Alimzhanova

Establishing the Informational Requirements for Modelling Open Domain Dialogue and Prototyping a Retrieval Open Domain Dialogue System

Trent Meier, Elias Pimenidis

15:45-17:15, Online - ICCCI 2021 Room D

Please note that ICCCI 2021 will be a Hybrid Conference with several on-site sessions, so all times are based on Athens local time (Eastern European Summer Time – EEST Time Zone)

Session 12, MLRWD (Machine Learning in Real-World Data)

Chair: Prof. Jan Kozak and Dr. Przemysław Juszczuk

Adaptive Goal Function of Ant Colony Optimization in Fake News Detection

Barbara Probierz, Jan Kozak, Piotr Stefański, Przemysław Juszczuk

Machine learning in the context of COVID-19 pandemic data analysis

Anita Hrabia, Jan Kozak, Przemysław Juszczuk

Web scraping methods used in predicting real estate prices

Tomasz Jach

Combining feature extraction methods and Principal Component Analysis for recognition of Vietnamese off-line handwritten uppercase accented characters

Hoang Quoc Thi Ha, Mau Hien Doan

Ensemble of Convolution Neural Networks for Automatic Tuberculosis Classification

Mustapha Oloko-Oba, Serestina Viriri

17:15–17:30 Social (at all rooms)

19:00–19:15 Welcome Reception, On site

Thursday 30/9/2021

9:15-18:30 Registration & Support Room - Hybrid, On site and Online, ICCCI 2021
Registration & Support Room

9:15-10:15, Hybrid - On site and Online, ICCCI 2021 Room A

Keynote 2: "Recommender Systems and Deep Learning"

Chair: Prof. Costin Badica

Keynote Speaker: Professor Yannis Manolopoulos

Open University of Cyprus

Homepage: <https://www.yannismanolopoulos.eu/>

10:15–10:30 Social (at all rooms)

10:30–10:45 Coffee Break

10:45-12:00, Hybrid - On site and Online, ICCCI 2021 Room A

Keynote 3: "Coordination and Cooperation in Robot Soccer"

Chair: Prof. Lazaros Iliadis

Keynote Speaker: Professor Daniele Nardi

Sapienza Università di Roma, Italy

Homepage: <http://www.dis.uniroma1.it/~nardi/>

12:00–12:15 Social (at all rooms)

12:15–12:30 Coffee Break

12:30–12:45, Hybrid - On site and Online, ICCCI 2021 Room A

H2020 Project Presentation. ASCAPE - Artificial intelligence supporting cancer patients across Europe - Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment. Presented by Mirjana Ivanović

12:45-14:00, Hybrid - On site and Online, ICCCI 2021 Room A

Session 13, IoT (IoT and Network Intelligent Methods)

Chair: Prof. Dariusz Krol

Impact of radio map on the performance of fingerprinting algorithms

Juraj Machaj, Peter Brida, Ivana Bridova

A resource-aware method for parallel D2D data streaming

Stanisław Saganowski, Przemysław Kazienko

The adaptive calibration method for single-beam distance sensors

Piotr Biernacki, Adam Ziębiński, Damian Grzechca

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The proposition of balanced and explainable surrogate method for network intrusion detection in streamed real difficult data

Mateusz Szczepański, Mikołaj Komisarek, Marek Pawlicki, Rafał Kozik, Michał Choras

12:45-14:00, Online - ICCCI 2021 Room C

Session 14, MIN-3 (Data Mining and Machine Learning)

Chair: Dr. Demertzis Kostas

Emotiv Insight with Convolutional Neural Network: Visual Attention Test Classification

Chean Khim Toa, Kok Swee Sim, Shing Chiang Tan

A Reinforcement Learning Framework for Multi-source Adaptive Streaming

Trung Nghia Nguyen, Phuong Vo, Thi Thanh Sang Nguyen, Minh Quan Le, Cuong T. Do, Ngoc Thanh Nguyen

Reinforcement Learning for Optimizing Wi-Fi Access Channel Selection

Hung Nguyen, Duc Long Pham, Mau Hien Doan, Thi Thanh Sang Nguyen, Duc Anh Vu Dinh, Adrianna Koziarkiewicz

Enhancing Speech Signal Features with Linear Envelope Subtraction

Hao Do D., Duc Chau T., Dung Nguyen D., Son Tran T.

12:45-14:00, Online - ICCCI 2021 Room D

Session 15, VIS-2 (Computer Vision Techniques-2)

Chair: Prof. Muhammad Atif Tahir

Processing and Visualizing the 3D Models in Digital Heritage

Minh Khai Tran, Sinh Van Nguyen, Nghia Tuan To, Marcin Maleszka

Severity Assessment of Facial Acne

Anh Nguyen, Huong Thai, Thanh Le

DEEP COMPONENT BASED AGE INVARIANT FACE RECOGNITION IN AN UNCONSTRAINED ENVIRONMENT

Amad Asif, Muhammad Atif Tahir, Mohsin Ali

Hybrid Vision Transformer for Domain Adaptable Person Re-identification

Muhammad Danish Waseem, Muhammad Atif Tahir, Muhammad Nouman Durrani

14:00–15:00 Lunch Break

15:00-16:30, Hybrid - On site and Online, ICCCI 2021 Room A

Session 16, DEC-1 (Collective Decision-Making-1)

Chair: Prof. Przemysław Kazienko

Adam Smith's Invisible Hand as a new, powerful and robust control paradigm for collective AI robotics

Tadeusz Szuba, Michał Drożdż

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Polynomial Algorithms for Synthesizing Specific Classes of Optimal Block-Structured Processes

Costin Badica, Alexandru Popa

Compatibility Checking of Business Rules Expressed in Natural Language Against Domain Specification

Bogumila Hnatkowska

Decision support model for the configuration of multidimensional resources in multi-project management

Jarosław Wikarek, Paweł Sitek, Zbigniew Banaszak

Agent-based modeling and simulation of citizens sheltering during a tsunami: Application to Da Nang city in Vietnam

Nguyen-Tuan-Thanh Le, Chihab Hanachi, Phuong-Anh-Hung-Cuong Nguyen

15:00-16:30, Online - ICCCI 2021 Room B

Session 17, CSDMO (Cooperative Strategies for Decision Making and Optimization)

Chair: Prof. Piotr Jędrzejowicz

A Population-based Framework for Solving the Job Shop Scheduling Problem

Piotr Jędrzejowicz, Izabela Wierzbowska, Ewa Ratajczak-Ropel

Imbalanced data mining using oversampling and cellular GEP ensemble

Joanna Jędrzejowicz, Piotr Jędrzejowicz

Hybrid Biogeography-Based Optimization Algorithm for Job Shop Scheduling Problem with Time Lags and Single Transport

Madiha Harrabi, Olfa Belkahla Driss, Khaled Ghedira

Identifying key actors in organizational social network based on e-mail communication

Dariusz Barbucha, Paweł Szyman

Deep Learning with Optimization Techniques for the Classification of Spoken English Digits

Jane Oruh, Serestina Viriri

15:00-16:30, Online - ICCCI 2021 Room C

Session 18, MIN-4 (Data Mining and Machine Learning)

Chair: Dr. Adrianna Kozierkiewicz

Detecting of minimal changes in physical activity using one accelerometry sensor

Paweł Mielnik, Marcin Fojcik, Krzysztof Tokarz, Zuzanna Rodak, Bjarte Pollen

Concept of Parkinson leading to understanding mechanisms of the disease

Andrzej W. Przybyszewski, Jerzy Paweł Nowacki, Aldona Barbara Drabik, Stanisław Szlufik, Dariusz Koziorowski

Cross-level High-Utility Itemset Mining using Multi-core Processing

Tung Nt, Loan T.T. Nguyen, Trinh D.D. Nguyen, Adrianna Kozierkiewicz

Ensembles of Deep Convolutional Neural Networks for Detecting Melanoma in Dermoscopy Images

Ilias Maglogiannis, Melina Tziomaka

An improved forecasting model from satellite imagery based on optimum Wavelet bases and Adam optimized LSTM methods

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Manel Rhif, Ali Ben Abbes, Beatriz Martinez, Imed Riadh Farah

15:00-16:30, Online - ICCCI 2021 Room D

Session 19, VIS-3 (Computer Vision Techniques-3)

Chair: Dr. Michal Kedziora

Detection of Monolayer Graphene

Sankari Balasubramaniyan, François Parmentier, Preden Roulleau, Mathieu Thevenin, Alexis Brenes, Maria Trocan

Developing a three dimensional registration method for optical coherence tomography data

Bansari Vadgama, Doina Logofatu, Peter Thoma

Fast Imaging Sensor Identification

Jarosław Bernacki, Rafal Scherer

Adversarial Attacks on Face Detection Algorithms Using Anti-Facial Recognition T-shirts

Ewa Lyko, Michal Kedziora

Deep Learning Models for Architectural Façade Detection in Spherical Images

Marcin Kutrzyński, Bartosz Żak, Zbigniew Telec, Bogdan Trawiński

16:30–16:45 Social

16:45–17:00 Coffee Break

17:00-18:30, Online - ICCCI 2021 Room B

Session 20, CCINLP (Computational Collective Intelligence and Natural Language Processing)

Chair: Prof. Ualsher Tukeyev

CBOW Training time and Accuracy Optimization using SKIPGRAM

Toufik Mechouma, Ismail Biskri, Jean-Guy Meunier, Alaidine Ben Ayed

Comprehensive Evaluation of Word Embeddings for Highly Inflectional Language

Pawel Drozda, Krzysztof Sopyła, Juliusz Lewalski

Constructing VeSNet: Mapping LOD Thesauri onto Princeton WordNet and Polish WordNet

Arkadiusz Janz, Grzegorz Kostkowski, Marek Maziarz

Arabic Sentiment Analysis using BERT model

Hasna Chouikhi, Hamza Chniter, Fethi Jarray

17:00-18:30, Online - ICCCI 2021 Room C

Session 21, DEC-2 (Collective Decision-Making-2)

Chair: Grzegorz Bocewicz

Periodic distributed delivery routes planning subject to uncertainty of travel parameters

Katarzyna Rudnik, Grzegorz Bocewicz, Czesław Smutnicki, Jarosław Pempera, Zbigniew Banzak

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Improving Pheromone Communication for UAV Swarm Mobility Management

Daniel H. Stolfi, Matthias R. Brust, Grégoire Danoy, Pascal Bouvry

Valentino Braitenberg's Table: Downhill Innovation of Vehicles via Darwinian Evolution

Sahand Shaghaghi, Owais Hamid, Chrystopher L. Nehaniv

New extensions of reproduction operators in solving LABS problem using EMAS meta-heuristic

Sylwia Biełaszek, Kamil Piętak, Marek Kisiel-Dorohinicki

Towards Smart Customer Knowledge Management Systems

Thang Le Dinh, Nguyen Anh Khoa Dam

17:00-18:30, Online - ICCCI 2021 Room D

Session 22, IWCIM-2 (Computational Intelligence for Multimedia Understanding-2)

Chair: Prof. Maria Trocan

Success and hindrance factors of AHA-oriented Open Service Platforms

Andrea Carboni, Dario Russo, Davide Moroni, Paolo Barsocchi, Alexander Nikolov, Carina Dantas, Diana Guardado, Ana Filipa Leandro, Willeke van Staalduinen, Efstathios Karanastasis, Vassiliki Andronikou, Javier Ganzarain, Rus Silvia, Frederic Lievens, Joana Oliveira Viera, Carlos Juiz, Belen Bermejo, Christina Samuelsson, Anna Ekström, Maria Fernanda Cabrera-Umpierrez, Silvia de los Rios Peres, Ad van Berlo

ANOMALY DETECTION ON ADS-B FLIGHT DATA USING MACHINE LEARNING TECHNIQUES

Osman Taşdelen, Levent Çarkacıoğlu, Behçet Uğur Töreyn

MR image reconstruction based on densely connected residual generative adversarial network--DCR-GAN

Amir Aghabiglou, Ender Mete Eksioğlu

Scale Input Adapted Attention for Image Denoising Using a Densely Connected U-Net: SADE-Net

Vedat Acar, Ender Mete Eksioğlu

Sparse Progressive Neural Networks for Continual Learning

Esra Ergun, Behçet Uğur Töreyn

Friday 1/10/2021

9:00 - 14:00 Registration & Support Room - Hybrid, On site and Online, ICCCI 2021
Registration & Support Room

9:00-10:30, Online - ICCCI 2021 Room C

Session 23, DEC-3 (Collective Decision-Making-3)

Chair: Prof. Tzung-Pei Hong

Hybridization of Metaheuristic and Population-based Algorithms with Neural Network Learning for Function Approximation

Zhen-Yao Chen

Exploration Strategies for Model Checking with Ant Colony Optimization

Tsutomu Kumazawa, Munehiro Takimoto, Yasushi Kambayashi

An Effective Correlation-based Pair Trading Strategy Using Genetic Algorithms

Chun-Hao Chen, Wei-Hsun Lai, Tzung-Pei Hong

Effect of Dialogue Structure and Memory on Language Emergence in a Multi-Task Game

Kasun Vithanage, Rukshan Wijesinghe, Alex Xavier, Dumindu Tissera, Sanath Jayasena, Subha Fernando

EMaxPPE: Epoch's maximum prediction probability ensemble method for Deep Learning classification models

Musaev Javokhir, Ngoc Thanh Nguyen, Dosam Hwang

9:00-10:30, Online - ICCCI 2021 Room D

Session 24, KNO (Knowledge Engineering and Semantic Web)

Chair: Dr. Marcin Pietranik

A knowledge graph embedding based approach for learning path recommendation for career goals

Thu Nguyen Tran Minh, Thinh Tran Pham Quoc

Negative Sampling for Knowledge Graph Completion Based on Generative Adversarial Network

Thanh Le, Trinh Pham, Bac Le

Learning Embedding for Knowledge Graph Completion with Hypernetwork

Thanh Le, Duy Nguyen, Bac Le

RotatHS: Rotation Embedding on the Hyperplane with Soft Constraints for Link Prediction on Knowledge Graph

Thanh Le, Ngoc Huynh, Bac Le

Assessing ontology alignments on the level of instances

Marcin Pietranik, Adrianna Kozierekiewicz, Bogumila Hnatkowska, Hai Bang Truong

10:30–10:45 Social (at all rooms)

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10:45–11:00 Coffee Break

11:00-12:15, Hybrid - On site and Online, ICCCI 2021 Room A

Keynote 4: “From Hyper-parametric towards Prototype-based Deep Learning”

Chair: Prof. Lazaros Iliadis

Keynote Speaker: Professor Plamen Angelov

Lancaster University, United Kingdom

Homepage: <http://www.lancs.ac.uk/staff/angelov>

12:15–12:30 Social

12:30-13:30, Hybrid - On site and Online, ICCCI 2021 Room A

Social Event - Award Ceremony - Closing Ceremony

13:30–14:30 Lunch Break

Webex Events Platform Access Links

ICCCI 2021 Room A:

<https://iccci2021.webex.com/iccci2021/j.php?MTID=m56866031c7bee72b16e843cb4ab9c8a1>

ICCCI 2021 Room B:

<https://iccci2021.webex.com/iccci2021/j.php?MTID=m28e97904702f44041cdb7400379c21a>

ICCCI 2021 Room C:

<https://iccci2021.webex.com/iccci2021/j.php?MTID=m50ff6c60bdf1125761452b0ce08c2281>

ICCCI 2021 Room D:

<https://iccci2021.webex.com/iccci2021/j.php?MTID=mec93210c1522a82eb7816363d80cc5e0>

ICCCI 2021 Registration & Support Room:

<https://iccci2021.webex.com/iccci2021/j.php?MTID=m7b8afcfedbe6a2b10f1c27ac9a17b81e>

Password for all rooms (if needed): 2021Rhodes

Webex Events Platform connection instructions

All links above are using Cisco Webex Events platform which is the “big brother” of the Cisco Webex platform.

Access to the conference room has already been granted to all conference participants and the only thing that you should do is to click on the proper room link.

If it is the first time that you are using Cisco Webex platform on the specific device, you will be asked to install the proper app but if you don't wish to then you can just click on “Join from your browser” option. In any case just type your first name, last name and your email address and click on Join.

Please note that all participants will enter each room with muted microphones. Our staff will unmute microphones and provide presenting capabilities based on the conference schedule.

All rooms will open 15 minutes before the starting of each session.

ICCCI 2021 Registration & Support Room will be also available during the conference to provide any help & support to all conference participants

That room will be also available **on Tuesday 28th of September from 11:00 to 18:00** for all participants who wants to check the connection and the platform. We strongly recommend all remote presenters to join the room to test their system and their presentation.