



Submit a Contribution

Registration

Camera Ready

Deadlines

Submission **Sep 25, 2021**

Notification Oct 12, 2021

Registration Oct 25, 2021

Camera Nov 01, 2021 ready

Deadlines differ for special tracks. Please consult the conference home page for special tracks Call for Papers (if any).

Past Events

Sponsors



Publication

Published by  IARIA Press (operated by [Xpert Publishing Services](#))

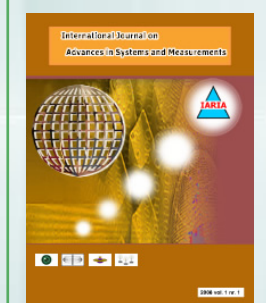
Archived in the Open Access  [ThinkMind Digital Library](#)

Prints available at [Curran Associates, Inc.](#)

Authors of selected papers will be invited to submit extended versions to a [IARIA Journal](#)

[Indexing Procedure](#)

Affiliated Journals



DIGITAL 2021: Program

Onsite and Online Options: In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation (pdf slides or pre-recorded videos).

For 2021, all events will be held in a hybrid mode with five options: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides).

We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.

TrendNews 2021 Congress

Conference will be mixed online and on location at

NOVOTEL Athens Hotel
4-8 Michail Voda str.
104 39 Athens - Greece

Note: This event is a mix of online and on site participation. All contributions are posted below; those presenting onsite have their own schedule, as a subset of the entire program.

Opening Welcome

On Site Program

Tutorials

myGeooffice.org, A Web Platform for Spatial Analysis

Assoc. Prof. Dr. Samia Loucif, Zayed University, UAE
Assoc. Prof. Dr. Joao Negreiros, Zayed University, UAE
- [short bio for Samia Loucif](#)
- [short bio for Joao Negreiros](#)
- [short description](#)
- [video presentation](#)
- presentation slides

The Use of Images in Digital Agriculture

Dr. Lorena Parra Boronat, Universitat Politècnica de València, València & Instituto Madrileño de Investigación y Desarrollo Rural, Agrario y Alimentario, Madrid, Spain

- [short bio](#)
- [short description](#)
- video presentation
- [presentation slides](#)

Keynote Speeches

Detecting Passenger Number in a Moving Vehicle with Public Transportation Data

Assist. Prof. Jack (Yunpeng) Zhang, University of Houston, USA
- [presentation slides](#)
- video presentation
- [short bio](#)

AI-Centric Cyber Laboratory Services: Operationalizing White Box Architectures for Fuzzers

Dr. Steve Chan, Decision Engineering Analysis Laboratory, USA
- [presentation slides](#)
- video presentation
- [short bio](#)

Blockchain in the Smart City - Participation and Democratic Involvement

Prof. Dr. Lasse Berntzen, University of South-Eastern Norway, Norway
- [presentation slides](#)
- video presentation
- [short bio](#)

Immersive Storytelling in Augmented, Mixed, and Virtual Reality: Technologies and Applications

Assist Prof Krzysztof Pietroszek, Institute for IDEAS / American University, Washington, USA
- presentation slides
- [video presentation](#)
- [short bio](#)

Streamed media and Quality of Experience (QoE)

Assist Prof Jounsup Park, The University of Texas at Tyler, USA
- [presentation slides](#)
- video presentation
- [short bio](#)

Utilizing Fuzzy Sets Qualitative Comparative Analysis to Identify the Necessary Conditions that a User Review

Expresses a Highly Positive Sentiment
Prof. Dr. Dimitris K. Kardaras, Athens University of Economics and Business, Greece
- [presentation slides](#)
- video presentation
- [short bio](#)

TrendNews Experts Panel

Citizen Data Protection: Ownership Challenges in the Digital Transformation Era

(personal data, data protection, citizen protection, data classification, invasion protection, accountability on data use, moral and legal aspects, etc.)

Chair

Petre Dini, IARIA, USA/EU

Panelists

Anders Fongen, Norwegian Defence University College, Norway
Stavroula Barbounaki, Merchant Marine Academy of Aspropyrgos, Greece
Eszter Oroszi, National University of Public Services, Hungary
Dimitris K. Kardaras, Athens University of Economics and Business

Special Track

DIGITAL 2021 DigitalXR: XR-Driven Digital Transformation of Design, Training, and Education

LIVE:

Time: Wednesday, November 17, 7:00am NY / 8:00pm Beijing / 2:00pm Athens
Zoom: <https://gmu.zoom.us/j/99316247461>
[time zone reference: <https://www.worldtimebuddy.com/>]

Introduction

Wanwan Li
- [presentation slides](#) / [editorial](#)

Digital Transformation from Traditional Education Towards VR Education : Case Study Plans
Luxia Dong

- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

Make OS Home: Home-Like Operating System in Virtual Reality

Wanwan Li
- [presentation slides](#) / [video](#) / [demo](#) / [full article in Thinkmind Digital Library](#)

Heuristics about Arcade Game Design in a Comfortable Rhythm [PRESENTATION]

Shichen Li
- [presentation slides](#) / [video](#)

A Decision Tool Based on Mobile Sensing for Social Anxiety Disorder among University of Virginia (UVA) Students [PRESENTATION]

Shichen Li
- [presentation slides](#) / [video](#)

Evaluation of Machine Learning Classifiers Detecting Glaucoma Based on Deep Convolutional Neural Network [PRESENTATION]

Shichen Li
- [presentation slides](#) / [video](#)

Regular Sessions

DIGITAL 2021, Advances on Societal Digital Transformation

Dimensions of Fake News

Paulina Schindler, Marek Opusko, Meena Stoebesand
- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

An Agent-based Model for Simulating Travel Patterns of Stroke Patients

Abdulrahman Alassadi, Fabian Lorig, Johan Holmgren
- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

Exploring Adolescents' Experiences with Personalized Content on Social Media: A Qualitative Study

Ashley Rebecca Bell, Merete Kolberg Tennfjord, Miroslava Tokovska, Ragnhild Eg
- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

An Object-Based Refocusing Scheme for Light Field Video Content

Nusrat Mehajabin, Yixiao Wang, Hamid Reza Tohidypour, Panos Nasiopoulos, Mahsa Pourazad
- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

Chaos-based Protection Data for Digital Communication

Belqassim Bouteghrine, Camel Tanougast, Said Sadoudi, Mohammed Rabiai
- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

LIVE: IslandPaint: Digital Painting Floating Island Design

Wanwan Li
- [presentation slides](#) / [video](#) / [demo](#) / [full article in Thinkmind Digital Library](#)
Time: Wednesday, November 17, 7:00am NY / 8:00pm Beijing / 2:00pm Athens
Zoom: <https://gmu.zoom.us/j/99316247461>
[time zone reference: <https://www.worldtimebuddy.com/>]

CORETA 2021, Advances on Core Technologies and Applications

Phobia Treatment: Virtual Reality Approach

Samia Loucif, Joao Negreiros, Batool Haj Stifi, Sara Iqbal
- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

LIVE: ShareHandy: Peer Teaching Support System for Online Exercises of IoT Prototyping

Shiryu Sekiguchi, Tsuyoshi Nakajima
- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

Time: Tuesday Nov 16, 9:00pm Tokyo / 2:00pm Athens / 7:00am NY

The Zoom URL for the two presentations is:
<https://shibaura-it.zoom.us/j/97891496347>

[time zone reference: <https://www.worldtimebuddy.com/>]

LIVE: A Method for Analyzing Improper Driving Using Passenger's Danger Perceptions

Kensho Nishizawa, Tsuyoshi Nakajima
- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

Time: Tuesday Nov 16, 9:00pm Tokyo / 2:00pm Athens / 7:00am NY

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An Architecture for Detection of Anomalies in Deterministic Time within Real-Time Communication Networks

Christian Maier, Jia Lei Du, Stefan Fahrthofer, Peter Dorfinger

- [presentation slides](#) / [video](#) / [full article in Thinkmind Digital Library](#)

Farewell Message

Technical Co-Sponsors and Logistic Supporters

