The 2023 IARIA Annual Congress on Frontiers in Science, Technology, Services, and Applications

IARIA Congress 2023

November 13, 2023 to November 17, 2023 - Valencia, Spain

IARIA Congress 2023: 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 2023, 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.

IARIA Congress 2023

Conference will be mixed online and on location at

Holiday Inn Express Valencia-Ciudad Las Ciencias
Escritor Rafael Ferreres 22
Valencia, 46013
Spain

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.

On Site Program

Timezone converter: https://www.worldtimebuddy.com

INTERACTIVE TUTORIALS

T1: How to Run the Simulations and Interpret the Simulation Results - on site
Prof. Dr. Carlo Simon, Hochschule Worms, Germany
- presentation slides
- video presentation
- summary
- short bio

OPEN DISCUSSION

OD: Diving into generative-AI to Assess Current Status - on site
Prof. Dr. Petre Dini, IARIA, USA/EU
- presentation slides
- short bio

KEYNOTES

K1: Yet another Talk on ChatGPT: Experiences of a Nonexpert - virtual
Prof. Dr. Lavazza Luigi, Insumbria University, Italy
- presentation slides
- video presentation
- short bio

LIVE PRESENTATION
Date: Thursday, November 16, 2023
Time: 11:00 am New York / 4:00 pm London / 5:00 pm Valencia / 12:00 am next day Beijing / 1:00 am next day Tokyo
Access link: to be sent to all participants via email

K2: Communication Technologies: 5G, Advanced 5G, 6G - Status and Perspectives - virtual
Prof. Dr. Eugen Borcoci, National University of Science and Technology POLITEHNICA Bucuresti (UNSTPB), Romania
- presentation slides
- video presentation
- short bio

K3: Governing Healthcare as a System of Systems - on site
Prof. Dr. Mo Mansouri, Stevens Institute of Technology, USA
- presentation slides
- video presentation
- short bio

K4: An Information Technology View from UWB to mmWave up to VLC in Traffic Telematics Applications - on site
Prof. Dr Oliver Michler, TU Dresden, Germany
- presentation slides
- video presentation
- short bio

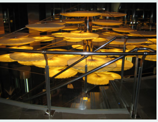
Submit a Contribution
Registration
Camera Ready

Deadlines

Submission	Sep 07, 2023
Notification	Sep 28, 2023
Registration	Oct 10, 2023
Camera ready	Oct 13, 2023

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 IARIA 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

K5: Stochastic Supply Chain Costs Minimization under Disruption Risks and Determination of Critical Nodes - on site
Dr. Tim von der Brück, Lucerne University of Applied Sciences and Arts, Germany
- presentation slides
- video presentation
- short bio

K6: Creation and Control of Magnetic Structures in Amorphous Microwires Used in Magnetic Sensors - on site
Prof. Dr. Oleksandr Chizhik, University of Basque Country, San Sebastian, Spain
- presentation slides
- video presentation
- short bio

K7: Anatomy of Generalized Wireless Fading Channels - on site
Prof. Dr. Dragana Krstic, University of Niš, Serbia
- presentation slides
- video presentation
- short bio

PANELS

Panel #1 - on site
Theme: Societal Well-being Impact of Digitization, Virtualization, Industry 5.0, and AI
Moderator: Prof. Dr. Herwig Mannaert, University of Antwerp, Belgium
Panelists:
Dr. Corné de Ruijt, Windesheim University of Applied Sciences, The Netherlands
Prof. Dr. Hirokazu Hasegawa, National Institute of Informatics, Japan
Emeritus Prof. Dr. Malcolm Crowe, University of the West of Scotland, UK
Prof. Dr. Petre Dini, IARIA, USA/EU
- panel slides

Panel #2 - on site
Theme: Explainability and Self-Control on AI-driven Narratives and Systems
Moderator: Prof. Dr. Stephan Böhm, Hochschule RheinMain, Germany
Panelists:
Prof. Dr. Martin Zimmermann, Offenburg University, Germany
Prof. Dr. Radek Koci, Brno University of Technology, Czech Republic
Prof. Dr. Mo Mansouri, Stevens Institute of Technology, USA
Prof. Dr. Matthias Harter, Hochschule RheinMain - University of Applied Sciences, Germany
Prof. Dr. Anders Fongen, Norwegian Defence University College, Norge
- panel slides

Panel #3 - on site
Theme: Simulation and Validation Challenges for (AI-based) Complex Systems
Moderator: Prof. Dr. Carlo Simon, Hochschule Worms, Germany
Panelists:
Prof. Dr. Mart Verhoog, IU International University of Applied Sciences, Germany
Sr. Adv. Jos van Rooyen, Huis voor softwarekwaliteit, Nederland
Prof. Dr. Isaac Caicedo-Castro, Universidad de Córdoba, Colombia
Prof. Dr. Christos Kalloniatis, University of the Aegean, Greece
- panel slides

Panel #4 - on site
Theme: Making Profit from Generative-AI in Education and Health Systems
Moderator: Dr. Hans-Werner Sehring, Nordakademie – University of Applied Sciences, Hamburg, Germany
Panelists:
Prof. Dr. Simona Vasilache, University of Tsukuba, Japan
Prof. Dr. Isaac Caicedo-Castro, Universidad de Córdoba, Colombia
Prof. Dr. Zhijie Xu, University of Huddersfield, United Kingdom
Prof. Dr. Gerhard Hube, THWS Würzburg-Schweinfurt, Germany
- panel slides

Panel #5 - on site
Theme: The Challenges of Leveraging AI our Everyday Workflow Processes
Moderator: Dr. Steve Chan, Decision Engineering Analysis Laboratory, VTIRL, VT, USA
Panelists:
Prof. Dr. Sibylle Fröschle, Technische Universität Hamburg, Germany
Prof. Dr. Marko Jantti University of Eastern Finland, School of Computing, Finland
Dr. Hans-Werner Sehring, Nordakademie – University of Applied Sciences, Hamburg, Germany
Prof. Dr. Michael Spranger, University of Applied Sciences Mittweida, Germany
Eng. Marina Galiano Botella, CSIRT-CV, Spain
- panel slides

SPECIAL TRACKS

CENTRIC 1 / GENIUS: Generative AI for Enhanced Human-AI Collaboration Systems

Introduction
Stephan Böhm
- presentation slides / editorial

Human-Feedback for AI in Industry
Izaskun Fernandez, Kerman Lopez De Calle, Eider Garate, Regis Benzmuller, Melodie Kessler, Marc Anderson
- presentation slides / video / full article in Thinkmind Digital Library

LLM Assisted No-code HMI Development for Safety-Critical Systems
Matthias Harter
- presentation slides / video / full article in Thinkmind Digital Library

Using ChatGPT-4 for the Identification of Common UX Factors within a Pool of Measurement Items from Established UX Questionnaires
Stefan Graser, Stephan Böhm, Martin Schrepp
- presentation slides / video / full article in Thinkmind Digital Library

AI-based Mobile App Prototyping: Status Quo, Perspectives and Preliminary Insights from Experimental Case Studies
Stephan Böhm, Stefan Graser
- presentation slides / video / full article in Thinkmind Digital Library

IARIA Congress / SoK: Autonomic Computing Systemization of Knowledge

Introduction
Roy Sterritt
- presentation slides / editorial

An Autonomic Approach to Security Incident Response and Prevention in Cloud Computing
Glenn Russell, Roy Sterritt
- presentation slides / video / full article in Thinkmind Digital Library

AC/DC: Autonomic Computing to Maintain Drone Fleet Continuity
Fiachra Merwick, Roy Sterritt
- presentation slides / video / full article in Thinkmind Digital Library

Autonomic Computing in the Cloud: An Overview of Past, Present and Future Trends
Alistair McLean, Roy Sterritt
- presentation slides / video / full article in Thinkmind Digital Library

Autonomic Computing for Autonomous Vehicles
Alastair Martin, Roy Sterritt
- presentation slides / video / full article in Thinkmind Digital Library

REGULAR TRACKS

IARIA Congress 2023, The 2023 IARIA Annual Congress on Frontiers in Science, Technology, Services, and Applications

Fostering Trust on Machine Learning Inferences
Dalmo Cirne
- presentation slides / video / full article in Thinkmind Digital Library
LIVE PRESENTATION
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Access link: https://workday.zoom.us/j/91436370194
Passcode: to be sent to all participants via email

Magneto-optical Optimization of Magnetic Microwires for GMI Sensors [PRESENTATION ONLY]
Alexander Chizhik
- presentation slides / video

Social Requirements for Designing Self-Adaptive Privacy Schemes in Cloud: The Interrelation of Social Identity with Self Disclosure Practices
Angeliki Kitsiou, Maria Sideri, Aikaterini – Georgia Mavroeidi, Katerina Vgena, Eleni Tzortzaki, Michail Pantelelis, Stavros Simou, Christos Kalloniatis
- presentation slides / video / full article in Thinkmind Digital Library

Utilization of Ozone Water Generators for Preventing Infection in Home Care
Koichi Umimoto, Shinichi Iguchi, Yoshimasa Shimamoto, Kastunori Tachibana, Syunji Nagata, Yuki Nakamura
- presentation slides / video / full article in Thinkmind Digital Library

Satellite Selection Algorithm to Optimize a Solution for Autonomous Driving Applications
Tiago Gonçalves, Gianmarco Fedeli, Clara Lázaro, Hélder Silva, Telmo Vieira
- presentation slides / video / full article in Thinkmind Digital Library

The Screen is not Flat
Luciane Maria Fadel
- presentation slides / video / full article in Thinkmind Digital Library

Exploring the Temperature Dependent Magnetic Properties and Magnetoimpedance Effect in Fe-rich Microwires for Temperature Monitoring
Paula Corte-León, Ivan Skorvanek, František Andrejka, Valentina Zhukova, Mihail Ipatov, Arcady Zhukov
- presentation slides / video / full article in Thinkmind Digital Library

SLAM-based Mapping in Truck-and-Robot System for Last-Mile Delivery Automation
Ryo Nakamura, Masafumi Hashimoto, Kazuhiko Takahashi
- presentation slides / video / full article in Thinkmind Digital Library

A Tool for Automating Sizing in Agile Development Using the COSMIC Method
Bruel Gérançon, Sylvie Trudel
- presentation slides / video / full article in Thinkmind Digital Library

Towards Hypothesis-driven Forensic Text Exploration System
Jenny Felser, Dirk Labudde, Michael Spranger
- presentation slides / video / full article in Thinkmind Digital Library

Comparison of 2D Virtual Learning Environments with Classic Video Conferencing Systems for Tertiary Education
Gerhard Hube, Kevin Pfeffel, Nicholas Mueller
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Development and Application of a New Ontology in the Context of Hybrid AC/DC Grids
Alessandro Rossi, Marzia Mammina, Jawad Kazmi, Zhiyu Pan, Charles Emehel, Bharath Varsh Rao, Antonello Monti
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Development of Free Space Microwave Sensing of Carbon Fiber Composites with Ferromagnetic Microwire Inclusions
Valentina Zhukova, Mihail Ipatov, Paula Corte-León, Alvaro Gonzalez, Alfonso Garcia-Gómez, Francisco Javier Vallejo, Peio Olaskoaga, Johan Malm, Christer Johansson, Rafael Garcia-Etxabe, Arcady Zhukov
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Electric Network Frequency Optical Sensing Devices
Christos Moysiadis, Georgios Karantaidis, Constantine Kotropoulos
- presentation slides / video / full article in Thinkmind Digital Library

Physical Demonstrator of Medical Imaging Unit: Threat Analysis and Protection Strategies in Cybersecurity
Marina Galiano Botella
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

Towards a Secure City: The Contribution of the Smart City Physical Demonstrator in Threat Assessment
Marina Galiano Botella, Eduardo Ortega Serrano, Elvira Lara Maudos
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

Hybrid Networking Platform for Minority Groups in Accessing Labour Market
Cecilia Olivieri, Agathe Semlali, Davide Carminati, Lorenzo Maggio Laquidara
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

Verification Tasks through Deep Learning in a Semantic Information Extraction System
Angel Luis Garrido, Norman U. Bellorín, Alvaro Peiró, Eduardo Mena
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Model-supported Software Creation: Towards Holistic Model-driven Software Engineering
Hans-Werner Sehring
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

Improvement of Fatty Acids Composition of a Microalga Isolated from the Moroccan Seawater for Biodiesel Production
Salima Ouled Hajja, Miloudia Slaoui, Houria El Bakraoui
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

Sensorization and Optimization of Industrial Graphic Arts Machinery Using Artificial Intelligence Techniques
Angel Luis Garrido, Jonathan Rodríguez, Mariano Sánchez, José Manuel Antón, Roberto Castán, Susana Sangiao, Carlos Bobed, Eduardo Mena
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

Cod Catch Forecasting through Machine Learning Algorithms at the Haul Level
Huamin Ren, Yajie Liu, Keshav Prasad Paudel
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Non-deterministic Operation Profiles Based on Multi-Layer Interest Landscapes for Autonomous Robotic Teams
Florian Segor, Igor Tchouchenkov, Aleksej Buller, Matthias Kollmann
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Applying Multimodal Data to Meta Learning for Time-Series Analysis in CPS
Philipp Ruf, Christoph Reich, Djaffar Ould-Abdeslam
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A Multivocal Review on Derivation Games
Diego Castro, Cláudia Werner
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

Exploring Product Line Concepts in Game Building
Diego Castro, Cláudia Werner
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

Application of Three-Phase Methodology for Retrofit 4.0 in Legacy Industrial Plants
Andrei Tchepurnoy Machado, Renan Yamaguti, Raphael Montali Assumpção, Omar Carvalho Branquinho, Paulo Cardieri
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BCI-based Game Control to Boost Focus and Attention in Students
Komalpreet Kaur, Manish Wadhwa
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Commute Tracking Mentor Tool for Automobile to Decrease Car Accidents
Mario Ervin, Kanwalinderjit Kaur
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Direct Democracy System Architecture for Sustainable Community Participation
Aderonke Thompson, Nikolaos Papakonstantinou, Dharmendra Sharma
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Forecasting Failure Risk in Early Mathematics and Physical Science Courses in the Bachelor's Degree in Engineering
Isaac Caicedo-Castro, Mario Macea-Anaya, Samir Castaño-Rivera
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An Exercise Recommendation System While Performing Daily Activities Based on Contextual Information
Mizuki Kobayashi, Kaori Fujinami
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

The Triumvirate of Bespoke Diverse Hybridized Activation Functions, Adaptive Momentum, and Enhanced Entropic Wavelet Energy Spectrum Discernment for Higher Efficacy Detection of Artificial Intelligence-centric Attacks
Steve Chan
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Moment Generating Function Based Calculation of Average Bit Error Probability in an α-μ Fading Environment with Selection Diversity Receiver
Dragana Krstic, Suad Suljovic, Devendra S. Gurjar, Suneel Yadav
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Estimating Text Similarity based on Semantic Concept Embeddings
Tim vor der Brück, Marc Pouly
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Database Technology II: Graph Database Language
Malcolm Crowe, Fritz Laux
- *presentation slides* / *video* / *full article in Thinkmind Digital Library*

PANDEMICS ANALYTICS 2023, International Conference on Pandemics Analytics

Estimating COVID-19 Prevalence and Seroprevalence in the United States [POSTER]
Martial Ndeffo
- *presentation slides* / *video*

PREDICTION SOLUTIONS 2023, International Conference on Prediction Solutions for Technical and Societal Systems

Bridging the Gap: End-User Programmers in Modern Supply Chain Analytics
Corne De Ruijt, Ritsaart Bergsma
- *presentation slides / video / full article in Thinkmind Digital Library*

SOCIETY TRENDS 2023, International Conference on Technical Advances and Human Consequences

Chord Extraction Method in Development of a Score Click Playback System
Kenta Morita, Naoki Morita, Chiharu Nakanishi, Chiaki Sawada, Kazue Kawai
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Universally Designed Augmented Reality (AR) for the School of the Future
Joschua Simon-Liedtke, Till Hallbach
- *presentation slides / video / full article in Thinkmind Digital Library*

Synchronized Recording System Using Multiple Smartphones
Naoki Morita, Md Saidi Muhammad Ashraf Naim, Kenta Morita, Chiharu Nakanishi, Chiaki Sawada, Kazue Kawai
- *presentation slides / video / full article in Thinkmind Digital Library*

Measuring AI Education Performance with Flipped Learning Based on Bloom's Taxonomy Objectives
Hyo-Jin Kim, Dongju Kim
- *presentation slides / video / full article in Thinkmind Digital Library*

MODERN SYSTEMS 2023, International Conference of Modern Systems Engineering Solutions

Antifragile Cities – Decision Support Tools to Support the Implementation of the Climate-neutral and Smart Cities
Alan Martin Redmond, Theocharis Vlachopanagiotis, Katerina Moschopoulou, Konstandinos Grizos, Evangelos Manthos, Yacine Rezgui
- *presentation slides / video / full article in Thinkmind Digital Library*
LIVE PRESENTATION
Date: Thursday, November 16, 2023
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Access link: to be sent to everyone via email
Meeting ID: 322 294 237 554
Passcode: to be sent to everyone via email

Evaluation of different Systems Engineering Approaches as Solutions to Cross-Lifecycle Traceability Problems in Product Development: A Survey
Sina Hajiaghapour, Nadine Schlueter
- *presentation slides / video / full article in Thinkmind Digital Library*

Image Processing to Evaluate Post-harvest Damages on Grapes and Their Impact on Fruit Aspect
Francisco Javier Diaz, Ali Ahmad, Lorena Parra, Sandra Sendra, Jaime Lloret
- *presentation slides / video / full article in Thinkmind Digital Library*

An Application of Systems Thinking - Food Systems
Edward Tettamanti, Mo Mansouri
- *presentation slides / video / full article in Thinkmind Digital Library*

ICSEA 2023, The Eighteenth International Conference on Software Engineering Advances

Resolution to Educational Group Formation Problem Based on Improved Particle Swarm Optimization Using Fuzzy Knowledge
Bikhtiyar Hasan, Amine Boufaied
- *presentation slides / video / full article in Thinkmind Digital Library*

What Do Critical Success Factors of Collaboration Really Mean in the Context of DevOps?
Michiel van Belzen, Jos Trienekens, Rob Kusters
- *presentation slides / video / full article in Thinkmind Digital Library*
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Meeting ID: 916 7623 0029
Passcode: to be sent to all participants via email

Exploring the Creation and Added Value of Manufacturing Control Systems for Software Factories
Herwig Mannaert, Koen De Cock, Jeroen Faes
- *presentation slides / video / full article in Thinkmind Digital Library*

Three-step Decision Framework for Planning Software Releases
José del Sagrado, Isabel M. del Águila, Alfonso Bosch
- *presentation slides / video / full article in Thinkmind Digital Library*

Design Elements for a Space Information Network Operating System
Anders Fongen
- *presentation slides / video / full article in Thinkmind Digital Library*

Software Pipeline for 3D Heritage Digitization – The Case of Faro Focus Scans
Kamil Żyła, Jacek Kęsik
- *presentation slides / video / full article in Thinkmind Digital Library*

Source Code Analysis of GitHub Projects from E-Commerce and Game Domains
Doga Babacan, Tugkan Tuglular
- *presentation slides / video / full article in Thinkmind Digital Library*

OOPS ! and Competency Questions for Evaluating the Intelligent Business Process Management Ontology
Sarra Mejri, Sonia Ayachi Ghannouchi
- *presentation slides / video / full article in Thinkmind Digital Library*

OSS-Fuzzgen: Automated Fuzzing of Open Source Java Projects
Sheung Chi Chan, Adam Korczynski, David Korczynski
- *presentation slides / video / full article in Thinkmind Digital Library*

INTERACT: a Tool for Unit Test Based Integration of Component-based Software Systems
Nils Wild, Horst Lichter
- *presentation slides / video / full article in Thinkmind Digital Library*

Bridging the Gap: Introducing a Universal Data Monetization Method from Information and Game Theories
Domingos Monteiro, Felipe Ferraz, Silvio Meira, Domingos Salazar
- presentation slides / video / full article in Thinkmind Digital Library

Combining Retrieval and Classification: Balancing Efficiency and Accuracy in Duplicate Bug Report Detection
Qianru Meng, Xiao Zhang, Guus Ramackers, Visser Joost
- presentation slides / video / full article in Thinkmind Digital Library

“Elderly, with location data, while shopping?” Spotting Privacy Threats Beyond Software: A Quasi-Experimental Study
Tuisku Sarrala, Tommi Mikkonen
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An Empirical Investigation of Usability Measurement in Canvas Educational Applications
Shabbab Algamdi, Stephanie Ludi
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A Software Engineer's Oath: Perceptions of Computer Ethics in a Multicultural Classroom [POSTER]
Simona Vasilache
- presentation slides / video

Ecosystem in Business
Luiz Henrique das Neves Gondim Moreira, Silvio R. L. Meira, Andre Neves, Felipe Silva Ferraz
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Access link: https://jnjmeetings.zoom.com/j/94427339618
Meeting ID: 944 2733 9618
Password: to be sent to all participants via email

Prerequisites for Simulation-Based Software Design and Deployment
Radek Koci, Vladimir Janousek
- presentation slides / video / full article in Thinkmind Digital Library

Engineering IoT-based Software Systems for Forestry: A Case Study
Marko Jäntti, Markus Aho
- presentation slides / video / full article in Thinkmind Digital Library

Towards Improving Accurate Breast Cancer Diagnosis: Leveraging Pre-trained Convolutional Neural Network for Mammogram Analysis
Marwa Ben Ammar, Dorra Zaibi, Faten Labbene Ayachi, Riadh Ksantini, Halima Mahjoubi
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Design Pattern Detection in Code: A Hybrid Approach Utilizing a Bayesian Network, Machine Learning with Graph Embeddings, and Micropattern Rules
Roy Oberhauser, Sandro Moser
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ICSNC 2023, The Eighteenth International Conference on Systems and Networks Communications

Peer to Peer Grid Topology with Full Mesh Networking Technology and its Applications
Wenqiang Song, Chuan He, Zhaoyang Xie, Yuanyuan Chai
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Using Attribute Certificates to Support Cryptographic Algorithm Flexibility
Steffen Fries, Rainer Falk
- presentation slides / video / full article in Thinkmind Digital Library

Measurement of Competitiveness in the Colombian Mobile Telecommunications Market based on the Linda Index
Cesar Augusto Hernandez Suarez, Ernesto Cadena, Luis Fernando Pedraza Martinez
- presentation slides / video / full article in Thinkmind Digital Library

Feasibility Verification of Access Control System for Telecommuting by Users Reliability Calculation
Atsushi Shinoda, Hirokazu Hasegawa, Hajime Shimada, Yukiko Yamaguchi, Hiroki Takakura
- presentation slides / video / full article in Thinkmind Digital Library

CENTRIC 2023, The Sixteenth International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services

The Multi-Color Contrast Checker (M3C)
Joschua Thomas Simon-Liedtke, Till Hallbach
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Design and Implementation of Access Control Method Based on Correlation Among Files
Yuki Kodaka, Hirokazu Hasegawa, Hiroki Takakura
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Towards a Minimalistic Stress Classification Method Based on HRV
Roswitha Duwenbeck, Elsa Andrea Kirchner
- presentation slides / video / full article in Thinkmind Digital Library

Developing Context-Based Applications Using Visual Programming - Case Studies on Mobile Apps and Humanoid Robot Applications
Martin Zimmermann
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Agile and Reliable Design Decisions Based on the Perception of the Target Audience
Raquel Marzo, Adrián Colomer
- presentation slides / video / full article in Thinkmi nd Digital Library

VALID 2023, The Fifteenth International Conference on Advances in System Testing and Validation Lifecycle

Industrial report: Embedding Quality Assurance in an Agile/Safe Development Approach [POSTER]
Jos van Rooyen
- presentation slides / video

An Exploration of Maven-Based Java Repositories and Their Testing Practices
Canol Simsek, Tugkan Tuglular
- presentation slides / video / full article in Thinkmind Digital Library

In-Service Monitoring and Assessment (ISMA) of Autonomous Driving Vehicles with AI based Algorithms
Bangarevva Patil, Thomas Corell, Rudra Narayan Hota
- presentation slides / video / full article in Thinkmind Digital Library
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Meeting ID: 857 2745 2454
Passcode: to be sent to all participants via email

SIMUL 2023, The Fifteenth International Conference on Advances in System Simulation

Urban Consolidation Centers – an Analysis of Internal Processes Using Discrete Event Process Simulation
Maximilian Wuennenberg, Chen Yang, Johannes Fottner
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Qualitative Simulation of Causal Dynamics in Higher Education using Fuzzy Cognitive Maps
Levent Yilmaz
- presentation slides / video / full article in Thinkmind Digital Library

Approach to a Holistic Modelling of Cycling Dynamics
Yannick Rauch, Julia Rall, Maximilian Ruhe, Reiner Kriesten
- presentation slides / video / full article in Thinkmind Digital Library

Real World Case Study To Teach Simulation
Lara Zakfeld, Carlo Simon, Merlin Hladik, Stefan Haag
- presentation slides / video / full article in Thinkmind Digital Library

Crowdshipping with Dynamic Workers Availability – Restless-Bandit-Based Prioritization
Amin Karimi, Jing Fu, Lele Zhang, Hadi Ghaderi
- presentation slides / video / full article in Thinkmind Digital Library

LookAhead - A New Approach for Event Handling in Co-Simulation by Predicting State Events
Felix Tischer, Simon Genser, Daniel Watzenig, Martin Benedikt
- presentation slides / video / full article in Thinkmind Digital Library

A Supply Chain Disruption Framework for Discrete Event Simulation
Andrew Greasley, Daniel Chicksand
- presentation slides / video / full article in Thinkmind Digital Library

How Marketing and Sales can Push and Accelerate Residential Refurbishment
Mart Verhoog
- presentation slides / video / full article in Thinkmind Digital Library

Security Process for Adopting Machine to Machine Communication for Maintenance in Transportation with a Focus on Key Establishment
Sibylle Fröschle, Martin Kubisch
- presentation slides / video / full article in Thinkmind Digital Library

SOTICS 2023, The Thirteenth International Conference on Social Media Technologies, Communication, and Informatics

Stock Price Prediction Based on Investor Sentiment Using BERT and Transformer Models
Chien-Cheng Lee, Anish Sah
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From Unstructured Data to Digital Twins: From Tweets to Structured Knowledge
Sergej Schultenkämper, Frederik Simon Bäumer, Yeong Su Lee, Michaela Geierhos
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Emoji Trends Between Abnormal Usage and Cultural Differences: A Case Study of Emojis
Ahmed Almohanadi, Shohei Tokyo Yokoyama
- presentation slides / video / full article in Thinkmind Digital Library

INNOV 2023, The Twelfth International Conference on Communications, Computation, Networks and Technologies

Two-Stage Object Detectors: A Comparative Evaluation
Jihad Qaddour
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