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Below, all publications with IRIS ID by Andrea Omicini in the APICe Space between 1992 and 2020, ordered by year of publication.

2020 (1)
- Smart Contracts are More than Objects: Pro-activeness on the Blockchain

2019 (15)
- Defeasible Systems in Legal Reasoning: A Comparative Assessment
- Towards XMAS: eXplainability through Multi-Agent Systems
- Interpretable Narrative Explanation for ML Predictors with LP: A Case Study for XAI
- Injecting (Micro)Intelligence in the IoT: Logic-based Approaches for (M)MAS
- Preface – AI&IoT 2019
- Democratic Process and Digital Platforms: An Engineering Perspective
- Preface
- The Future of Digital Democracy, An Interdisciplinary Approach
- Comparative Analysis of Blockchain Technologies under a Coordination Perspective
- Logic Programming as a Service in Multi-Agent Systems for the Internet of Things
- AI&IoT 2019 – Artificial Intelligence and Internet of Things 2019
- TuSoW: Tuple Spaces for Edge Computing
- Special Issue “Multi-Agent Systems”: Editorial
- Towards Agent-oriented Blockchains: Autonomous Smart Contracts
- Engineering Micro-intelligence at the Edge of CPCS: Design Guidelines

2018 (12)
- From the Blockchain to Logic Programming and Back: Research Perspectives
- Logic Programming in Space-Time: The Case of Situatedness in LPaaS
- LPaaS as Micro-intelligence: Enhancing IoT with Symbolic Reasoning
- Transparent Protection of Aggregate Computations from Byzantine Behaviours via Blockchain
- Spatial Tuples: Augmenting Reality with Tuples
- Logic Programming as a Service
- Blockchain for Trustworthy Coordination: A First Study with Linda and Ethereum
- ReSpecTX: Programming Interaction Made Easy
- Twenty Years of Coordination Technologies: State-of-the-Art and Perspectives
- Extending Logic Programming with Labelled Variables: Model and Semantics
- Micro-intelligence for the IoT: SE Challenges and Practice in LPaaS
- Intelligent Agents and Environment
2017 (7)

- Agent-based Modelling in Multicellular Systems Biology
- Logic Programming as a Service (LPaaS): Intelligence for the IoT
- Spatial Tuples: Augmenting Physical Reality with Tuple Spaces
- State-of-the-Art and Trends in Nature-inspired Coordination Models
- Novel Opportunities for Tuple-based Coordination: XPath, the Blockchain, and Stream Processing
- Programming the Interaction Space Effectively with ReSpecTX
- Agent-based Modelling for the Self-Management of Chronic Diseases: An Exploratory Study

2016 (11)

- Privacy Through Anonymisation in Large-scale Socio-technical Systems: Multi-lingual Contact Centres across the EU
- The Autonomy of Technological Systems and Responsibilities for their Use
- Extending the Gillespie's Stochastic Simulation Algorithm for Integrating Discrete-Event and Multi-Agent Based Simulation
- Labelled Variables in Logic Programming: Foundations
- Towards Logic Programming as a Service: Experiments in tuProlog
- Towards the Adoption of Agent-Based Modelling and Simulation in Mobile Health Systems for the Self-Management of Chronic Diseases
- Game Engines to Model MAS: A Research Roadmap
- Challenges of Decentralized Coordination in Large-scale Ubicomp Systems
- Multi-paradigm Coordination for MAS: Integrating Heterogeneous Coordination Approaches in MAS Technologies
- Foreward by Prof. Andrea Omicini
- Coordination in Large-Scale Socio-Technical Systems: Introduction to the Special Section

2015 (13)

- Anticipatory Coordination in Socio-technical Knowledge-intensive Environments: Behavioural Implicit Communication in MoK
- Developing Pervasive Multi-Agent Systems with Nature-Inspired Coordination
- Preface
- Blending Event-Based and Multi-Agent Systems around Coordination Abstractions
- Reconciling Event- and Agent-Based Paradigms in the Engineering of Complex Systems: The Role of Environment Abstractions
- Models of Autonomy and Coordination: Integrating Subjective & Objective Approaches in Agent Development Frameworks
- Event-Based vs. Multi-Agent Systems: Towards a Unified Conceptual Framework
- Extending the Gillespie's Stochastic Simulation Algorithm for Integrating Discrete-Event and Multi-Agent Based Simulation
- PRIMA 2015: Principles and Practice of Multi-Agent Systems
- Coordination of Large-Scale Socio-Technical Systems: Challenges and Research Directions
- A Gillespie-based Computational Model for Integrating Event-driven and Multi-Agent Based Simulation
- Coordinating Activities and Change: An Event-Driven Architecture for Situated MAS
- Labelled Variables in Logic Programming: A First Prototype in tuProlog

2014 (9)

- Preface
2013 (21)

- Collaborative Learning and ICT: A Prototypical Learning Environment
- Probabilistic Embedding: Experiments with Tuple-based Probabilistic Languages
- tuProlog: Making Prolog Ubiquitous
- Engineering Pervasive Multiagent Systems in SAPERE
- Nature-inspired Coordination Models: Current Status, Future Trends
- Agents & Multiagent Systems: En Route Towards Complex Intelligent Systems
- Tuple-based Coordination of Stochastic Systems with Uniform Primitives
- Coordination for Situated MAS: Towards an Event-driven Architecture
- Probabilistic Modular Embedding for Stochastic Coordinated Systems
- Complexity and Interaction: Blurring Borders between Physical, Computational, and Social Systems. Preliminary Notes
- MoK: Stigmergy Meets Chemistry to Exploit Social Actions for Coordination Purposes
- Semantic Tuple Centres
- TuCSoN on Cloud: An Event-driven Architecture for Embodied / Disembodied Coordination
- Space-aware Coordination in ReSpecT
- Molecules of Knowledge: Self-Organisation in Knowledge-Intensive Environments
- Event-driven Programming for Situated MAS with ReSpecT Tuple Centres
- A Biochemically-inspired Coordination-based Model for Simulating Intracellular Signalling Pathways
- Engineering Pervasive Multiagent Systems in SAPERE
- Nature-inspired Coordination for Complex Distributed Systems
- Simulation in Agent-Oriented Software Engineering: The SODA Case Study

2012 (7)

- Agents Writing on Walls: Cognitive Stigmergy and Beyond
- 1st International Workshop on Adaptive Service Ecosystems: Natural and Socially Inspired Solutions (ASENSIS 2012)
- ASENSIS 2012 - First International Workshop on Adaptive Service Ecosystems: Nature and Socially Inspired Solutions
- Self-Organising News Management: The Molecules of Knowledge Approach
- Molecules of Knowledge: A Novel Perspective over Knowledge Management
- Towards the Analysis & Prediction of Complex System Behaviour in SAPERE
- Dynamic Composition of Coordination Abstractions for Pervasive Systems: The Case of LogOp

2011 (13)

- Preface
- Special Issue "Infrastructures and Tools for Multiagent Systems"
- Processes Engineering and AOSE
- Coordination Models and Languages: From Parallel Computing To Self-Organisation
- Coordinating e-Health Systems with TuCSoN Semantic Tuple Centres
- Self-organising Knowledge-intensive Workspaces
- Declarative Agent Languages and Technologies VIII
- Towards a logic framework for Web programming
- Infrastructures and Tools for Multiagent Systems for the New Generation of Distributed Systems
- Self-aware Pervasive Service Ecosystems
- BaSi: Multi-Agent Based Simulation for Medieval Battles
- Adaptable Multi-Agent Systems: The Case of the Gaia Methodology
- Description Spaces with Fuzziness

2010 (II)

- Documenting SODA: An Evaluation of the Process Documentation Template
- Process Documentation Standardization: An Initial Evaluation
- An Agent-based Model for the Pattern Formation in Drosophila Melanogaster
- Self Organization in Coordination Systems using a WordNet-based Ontology
- HomeManager: Testing Agent-Oriented Software Engineering in Home Intelligence
- A Multiscale Agent-based Model of Morphogenesis in Biological Systems
- Agent-based Conference Management: A Case Study in SODA
- Argumentation and Artifacts for Negotiation Support
- Towards a Pervasive Infrastructure for Chemical-Inspired Self-organising Services
- A Self-Organising Infrastructure for Chemical-Semantic Coordination: Experiments in TuCSoN

2009 (8)

- Environment in Agent-Oriented Software Engineering Methodologies
- Agents, Intelligence, and Tools
- An Agent-based Application for Home Intelligence
- General-Purpose Coordination Abstractions for Managing Interaction in MAS
- A Framework for Modelling and Implementing Self-Organising Coordination
- A Semantic eScience Portal for International Scientific and Academic Cooperation
- Situated Process Engineering for Integrating Processes from Methodologies to Infrastructures
- Situated Tuple Centres in ReSpecT

2008 (14)

- Advancing Object-Oriented Standards Toward Agent-Oriented Methodologies: SPEM 2.0 on SODA
- Editorial: Special Issue on Foundations, Advanced Topics and Industrial Perspectives of Multi-agent Systems
- Artifacts in the A&A Meta-Model for Multi-Agent Systems
- Prototyping A&A ReSpecT in Maude
- A Logic Programming Model for Web Resources
- Special Issue on Foundations, Advanced Topics and Industrial Perspectives of Multi-agent Systems
- Co-Argumentation Artifact for Agent Societies
- A&A for Modelling and Engineering Simulations in Systems Biology
- Knowledge Construction in E-learning Context: CSCL, ODL, ICT and SNA in Education
- Arguments and Artifacts for Dispute Resolution
- Designing Self-Organising Environments with Agents and Artefacts: A Simulation-Driven Approach
- Agent-Based Collaboration Systems: A Case Study
- A Multi-Theory Logic Language for the World Wide Web
- SPEM on Test: the SODA Case Study

2007 (7)

- Environment as a First Class Abstraction in Multi-Agent Systems
Andrea Omicini - IRIS (All)

- Infrastructure for RBAC-MAS: An Approach Based on Agent Coordination Contexts
- Timed Environment for Web Agents
- “Give Agents their Artifacts”: The A&A Approach for Engineering Working Environments in MAS
- Building Smart Environments as Agent Workspaces
- Introduction to the Special Issue: The AgentLink III Technical Forums
- Cognitive Stigmergy: Towards a Framework Based on Agents and Artifacts

2006 (17)

- Coordination as a Service
- Simulating Minority Game with TuCSoN
- Multiagent Systems
- Agent Coordination Contexts for the Formal Specification and Enactment of Coordination and Security Policies
- simpA-WS: An Agent-Oriented Computing Technology for WS-based SOA Applications
- 4th European Workshop on Multi-Agent Systems (EUMAS 2006)
- Declarative Agent Languages and Technologies III
- Distributed Workflow upon Linkable Coordination Artifacts
- Zooming Multi-Agent Systems
- Minority Game: A Logic-Based Approach in TuCSoN
- The Second AgentLink III Technical Forum: Main Issues and Hot Topics in European Agent Research – Part 2
- The Multidisciplinary Patterns of Interaction from Sciences to Computer Science
- Agents & Artifacts for Systems Biology: Toward a Framework based on TuCSoN
- Operating Instructions for Intelligent Agent Coordination
- Simulation of Minority Game in TuCSoN
- Agent Coordination Contexts in a MAS Coordination Infrastructure
- Computational Institutions for Modelling Norm-Regulated MAS: An Approach Based on Coordination Artifacts

2005 (14)

- Engineering Societies in the Agents World V
- Process-Algebraic Approaches for Multi-Agent Systems: An Overview
- Declarative Agent Languages and Technologies II
- An Organisation Infrastructure for Multi-Agent Systems based on Agent Coordination Contexts
- On the Role of Simulation in the Engineering of Self-Organising Systems: Detecting Abnormal Behaviour in MAS
- The AgentLink III Technical Forums: Introduction to the Special Issue
- Preface
- An Organisation Infrastructure for Multi-Agent Systems based on Agent Coordination Contexts
- The Second AgentLink III Technical Forum
- Multi-paradigm Java-Prolog Integration in tuProlog
- Preface
- An Algebraic Approach for Modelling Organisation, Roles and Contexts in MAS
- The Second AgentLink III Technical Forum: Main Issues and Hot Topics in European Agent Research
- Zooming Multi-Agent Systems

2004 (15)

- Coordination and Collaboration Activities in Cooperative Information Systems
- On the Semantics of Coordination Models for Distributed Systems: The LogOp Case Study
- Role-Based Access Control in MAS using Agent Coordination Contexts
- MAS Organization within a Coordination Infrastructure: Experiments in TuCSoN
- Message from the Program Chairs
- Declarative Agent Languages and Technologies
• Integrating Objective & Subjective Coordination in Multi-Agent Systems
• Open Directions in Agent-Oriented Software Engineering
• Coordination Artifacts: Environment-based Coordination for Intelligent Agents
• Towards Seamless Agent Middleware
• Multi-agent Infrastructures for Objective and Subjective Coordination
• Preface
• Challenges and Research Directions in Agent-Oriented Software Engineering