2022 IEEE Smartworld, Ubiquitous Intelligence & Computing, Scalable Computing & Communications, Digital Twin, Privacy Computing, Metaverse, Autonomous & Trusted Vehicles

(SmartWorld/UIC/ScalCom/DigitalTwin/PriComp/Metaverse 2022)

Haikou, China
15-18 December 2022

Pages 1-626

IEEE Catalog Number: CFP2275H-POD
ISBN: 979-8-3503-4656-5

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number: CFP2275H-POD
ISBN (Print-On-Demand): 979-8-3503-4656-5
ISBN (Online): 979-8-3503-4655-8

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

2022 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Autonomous & Trusted Vehicles, Scalable Computing & Communications, Digital Twin, Privacy Computing, Metaverse (SmartWorld/UIC/ATC/ScalCom/ DigitalTwin/PriComp/Metaverse)

SmartWorld-UIC-ScalCom-DigitalTwin-PriComp-Metaverse 2022

Table of Contents

The 19 th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2022)

Regular Research Papers

Intelligent/Smart Object & Interaction I

Intelligent/Smart Object & Interaction II

Intelligent/Smart Object & Interaction III

Intelligent/Smart Object & Interaction IV

Intelligent/Smart Object & Interaction V

Intelligent/Smart Environment & Application I

Intelligent/Smart Environment & Application II

Intelligent/Smart Environment & Application III

Intelligent/Smart Environment & Application IV

Intelligent/Smart Environment & Application V

Intelligent/Smart Environment & Application VI

Intelligent/Smart Environment & Application VII

Intelligent/Smart Environment & Application VIII

Intelligent/Smart Environment & Application IX

Intelligent/Smart Environment & Application X

Intelligent/Smart Environment & Application XI

Intelligent/Smart Environment & Application XII

Intelligent/Smart Systems & Services I

Intelligent/Smart Systems & Services II

Intelligent/Smart Systems & Services III

Intelligent/Smart Systems & Services IV

Intelligent/Smart Systems & Services V

Intelligent/Smart Systems & Services VI

Personalization and Social Aspects I

Personalization and Social Aspects II

Personalization and Social Aspects III

Ubiquitous Intelligence with Blockchain Technology

Research Papers

Intelligent/Smart Object & Interaction I

Intelligent/Smart Object & Interaction II

Intelligent/Smart Object & Interaction III

Intelligent/Smart Object & Interaction IV

Intelligent/Smart Object & Interaction V

Intelligent/Smart Environment & Application I

Intelligent/Smart Environment & Application II

Intelligent/Smart Environment & Application III

Intelligent/Smart Environment & Application IV

Intelligent/Smart Environment & Application V

Intelligent/Smart Environment & Application VI

Intelligent/Smart Environment & Application VII

Intelligent/Smart Environment & Application VIII

Intelligent/Smart Environment & Application IX

Intelligent/Smart Environment & Application X

Intelligent/Smart Environment & Application XI

Intelligent/Smart Environment & Application XII

Intelligent/Smart Systems & Services I

Intelligent/Smart Systems & Services II

Intelligent/Smart Systems & Services III

Intelligent/Smart Systems & Services IV

Intelligent/Smart Systems & Services V

Intelligent/Smart Systems & Services VI

Intelligent/Smart Systems & Services VII

Personalization and Social Aspects I

Personalization and Social Aspects II

Personalization and Social Aspects III

Personalization and Social Aspects IV

Personalization and Social Aspects V

Ubiquitous Intelligence with Blockchain Technology

The 2022 IEEE International Conference on ATC (ATC 2022)

Autonomous and Trust Vehicles

Communications and Networking

The 22nd IEEE International Conference on Scalable Computing and Communications (ScalCom 2022)

Cloud and Fog Computing

Blockchain, Modelling and Simulations

The 2022 IEEE International Conference on Digital Twin (DigitalTwin 2022)

Modeling & Simulation

Technologies & Applications I

Technologies & Applications II

Evaluation & Optimization, Security & Privacy

The 2022 IEEE International Conference on Privacy Computing (PriComp 2022)

Privacy Computing I

Privacy Computing II

Privacy Computing III

The 2022 IEEE International Conference on Metaverse (Metaverse 2022)

Metaverse Computing and Communications

Metaverse Interaction

Metaverse Security

Metaverse Applications

2022 IEEE SmartWorld - No show papers

Author Index