

## PREFACE

The workshop on Disruptive Information and Communication Technologies for Innovation and Digital transformation, organized under the scope of the DISRUPTIVE project ([disruptive.usal.es](http://disruptive.usal.es)) and held on September 12, 2022 in Valladolid, aims to discuss problems, challenges and benefits of using disruptive digital technologies, namely Internet of Things, Big data, cloud computing, multi-agent systems, machine learning, virtual and augmented reality, and collaborative robotics, to support the on-going digital transformation in society.

The main topics included:


- Intelligent Manufacturing Systems
- Industry 4.0 and digital transformation
- Internet of Things
- Cyber-security
- Collaborative and intelligent robotics
- Multi-Agent Systems
- Industrial Cyber-Physical Systems
- Virtualization and digital twins
- Predictive maintenance
- Virtual and augmented reality
- Big Data and advanced data analytics
- Edge and cloud computing
- Digital Transformation


The workshop program included 6 accepted technical papers, 2 invited talks and a networking session. This volume contains 6 of the papers presented

at the Workshop on Disruptive Information and Communication Technologies for Innovation and Digital Transformation.

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