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Nota di contenuto	Intro -- Preface -- Organization -- Conference Chair -- Program Chair -- Program Committee -- Additional Reviewers -- Invited Speakers -- Contents -- Application of Photogrammetric Object Reconstruction for Simulation Environments in the Context of Inland Waterways -- 1 Introduction -- 2 Toolchain -- 3 Changes for the Application at Inland Waterways -- 4 Comparison of the Photogrammetric Reconstruction Programs -- 4.1 Quality -- 4.2 Computational Effort -- 5 Conclusion -- 6 Outlook -- References -- On-demand Simulation of Future Mobility Based on Apache Kafka -- 1 Introduction -- 2 Related Work -- 3 Architecture -- 3.1 Communication -- 3.2 Scenario Description -- 3.3 Simulation Domain and Layer -- 3.4 Life-Cycle of a Simulation Scenario -- 4 Publish/Subscribe Communication -- 4.1 Quality of Service -- 4.2 Kafka -- 4.3 Topic Structure -- 5 Distributing Simulation Scenarios -- 5.1 Partitioned Simulations -- 5.2 Multi-level Simulations -- 5.3 Co-simulations -- 6 Time Synchronization -- 6.1 Time Synchronization Paradigms -- 6.2 Implemented Synchronization Mechanism -- 7 Performance Evaluation -- 8 Conclusion -- References -- Augmentation of Sunflower-Weed Segmentation Classification with Unity Generated Imagery Including Near Infrared Sensor Data -- 1 Introduction -- 2 Related Work -- 2.1 CNNs in Precision Agriculture -- 3 Sunflower Dataset -- 4 Simulated Crop -- 4.1 Unity Level -- 5 CNN

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