# SummerSoC 2021 - Virtual Symposium

July 5th, 2021, 10:30 am - 15:40 pm (CEST)

Location:
https://unistuttgart.webex.com/unistuttgart/j.php?
MTID=m38e44882ed504d0d8b384237aa254925

| Time | Speaker | Title |
|------|---------|-------|
| 10:30 - 10:40 | Frank Leymann, Schahram Dustdar | Introduction and Welcome |
| Session: Quantum Computing - Chair: Wolfgang Reisig | | |
| 10:40 - 11:00 | Heinz W. Schmidt | How to Bake Quantum into Your Pet Petri Nets and Have Your Net Theory Too |
| 11:00 - 11:20 | Manuela Weigold | Patterns For Hybrid Quantum Algorithms |
| 11:20 - 11:40 | Indika Kumara | QSOC: Quantum Service-Oriented Computing |
| 11:40 - 12:00 | Marie Salm | Automating the Comparison of Quantum Compilers for Quantum Circuits |
| **Break** | | |
| Session: Advanced Application Architecture  - Chair: Antonio Brogie | | |
| 13:00 - 13:20 | Felix Kiehn | Towards Taming the Adaptivity Problem: Formalizing Poly-/ Multistore Topology Descriptions |
| 13:20 - 13:40 | Daniel Del Gaudio | Towards Feedback Loops to Increase Failure Tolerance in Model-Driven IoT Applications |
| 13:40 - 14:00 | George Stamatiou | Investigating the Use of Machine Learning Techniques in Random Physical Systems |
| 14:00 - 14:20 | Stefan Driessen | Validated Data Quality Assessment with "Skin in the Game": A Smart Contract Approach |
| **Break** | | |
| Session: Service-Based Applications  - Chair: Willem-Jan van Heuvel | | |
| 14:40 - 15:00 | Jacopo Soldani | What Went Wrong? Explaining Cascading Failures in Microservice-based Applications |
| 15:00 - 15:20 | Sebastian Kotstein | Which RESTful API Design Rules Are Important and How Do They Improve Software Quality? A Delphi Study with Industry Experts |
| 15:20 - 15:40 | Mirko Stocker | From Code Refactoring to API Refactoring: Agile Service Design and Evolution |