



[www.aria.org](http://www.aria.org)

## The Sixth International Conference on Fundamentals and Advances in Software Systems Integration

**FASSI 2020**

**November 21 - 25, 2020 - Valencia, Spain**

<http://www.aria.org/conferences2020/FASSI20.html>

### Important deadlines:

Submission deadline	July 5, 2020
Notification	September 5, 2020
Registration	September 19, 2020
Camera ready	September 30, 2020

### Tracks:

#### Hot research/industrial areas

Integration-centric design; Maintenance and (safe) evolution; Software quality assurance; Variability modeling; Empirical studies challenges in system integration; Effective live cloud migration; Big Data, Fast Data and Data Lake in system integration; Vulnerabilities in software product lines; Constraints for product lines; Integration via contract Interfaces; Interface-based similarity analysis in component-reuse; Component Interactions impact; Cyber-physical features in system integration; Reusable software strategies; Synchronizing software variants; Evolving software ecosystems; Component semantic similarity analysis; Security variability; Industrial lessons; Customer considerations on post-integration features

#### Process Integration

Software Dependency; Interfaces; System Integration; Tools and Techniques; Middleware; Communication and Protocols.

#### Data Integration

Data Exchange; Security, Privacy and Trust; Data Modelling and Database Design; Transformation.

#### Organizational Issues

Software Release Management; Software Migration; Third Party Software; Legacy Software; Software Testing; Software Architecture and Standards; Software Project Organization; Team, Organization and National issues.

#### Management and Control

Software Project Management; Costs and Benefits; Software Risk Management; Ownership and Control; Impact Analysis; Stakeholder Analysis; Complexity; Change Management

#### Modelling & Understanding:

Software Modelling; Expert Knowledge; Software Components; Software Understanding; Symptoms; Cause and Effect; Architectural Mismatch; Topology; Reverse Engineering; Multi-Paradigm Modelling; Abstraction; Motivation and Drivers; Assumptions, Awareness and Conflict; Model Transformation.

#### Programming and Design

Software System Design; Software Development Lifecycle; Programming Languages and Concepts; Patterns; Reuse

#### Applications

Case Studies; Choices and Trade-offs; Lessons Learned