

# FASSI 2018

## Forward

The Fourth International Conference on Fundamentals and Advances in Software Systems Integration (FASSI 2018), held between September 16, 2018 and September 20, 2018 in Venice, Italy, continued a series of events started in 2015 and covering research in the field of software system integration.

On the surface, the question of how to integrate two software systems appears to be a technical concern, one that involves addressing issues, such as how to exchange data (Hohpe 2012), and which software systems are responsible for which part of a business process. Furthermore, because we can build interfaces between software systems we might therefore believe that the problems of software integration have been solved. But those responsible for the design of a software system face a number of trade-offs. For example the decoupling of software components is one way to reduce assumptions, such as those about where code is executed and when it is executed (Hohpe 2012). However, decoupling introduces other problems because it leads to an increase in the number of connections and introduces issues of availability, responsiveness and synchronicity of changes (Hohpe 2012).

The objective of this conference is to work toward on understanding of these issues, the trade-offs and the problems of software integration and to explore strategies for dealing with them. We are interested to receive paper from researchers working in the field of software system integration.

We take here the opportunity to warmly thank all the members of the FASSI 2018 technical program committee, as well as all the reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated their time and effort to contribute to FASSI 2018. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We also gratefully thank the members of the FASSI 2018 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that FASSI 2018 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the field software systems integration. We also hope that Venice, Italy provided a pleasant environment during the conference and everyone saved some time to enjoy the unique charm of the city.

### FASSI 2018 Chairs

#### FASSI Steering Committee

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