

WELCOME

Winter School on Engineering & Provisioning of Cloud Applications - Research and Entrepreneurship

Samuel Kounev

Würzburg, Feb 17th, 2015



RELATE FP7 Marie Curie ITN

Trans-European Research Training Network on
Engineering and Provisioning of Service-Based
Cloud Applications

Welcome to Würzburg



University of Würzburg



- Originally founded in **1402**, permanently reopened in **1582**
- Part of the U15 group of research-intensive German universities
- 14 Nobel laureates
- 2013/2014: 26.725 students

University of Würzburg



Agenda

- **Overview of the RELATE Project**
- Winter School Program

Project Consortium



RELA TE
RELATE FP7 Marie Curie ITN
Trans-European Research Training Network on Engineering and Provisioning of Service-Based Cloud Applications



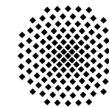
- Interdisciplinary Research Training Network
- Funding 29 Researchers; Total Budget: 5,088,156.00 €



Associated Partners



ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS



Universität Stuttgart

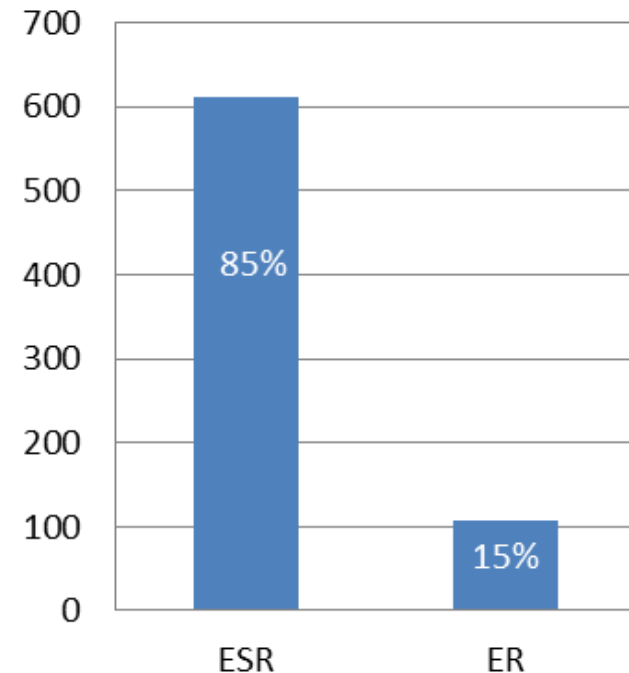


National Technical University of Athens

Funded Researchers

- 29 RELATE fellows from 16 different countries
 - 23 Early Stage Researchers (ESR)
 - 6 Experienced Researchers (ER)

Nationalities	
Spanish	2
Iranian	1
Polish	2
Macedonian	1
Czech	3
South African	1
Brazilian	1
Colombian	2
Greek	9
Cypriot	1
Russian	1
Mauritian	1
Syrian	1
Algerian	1
Cuba	1
Ethopia	1

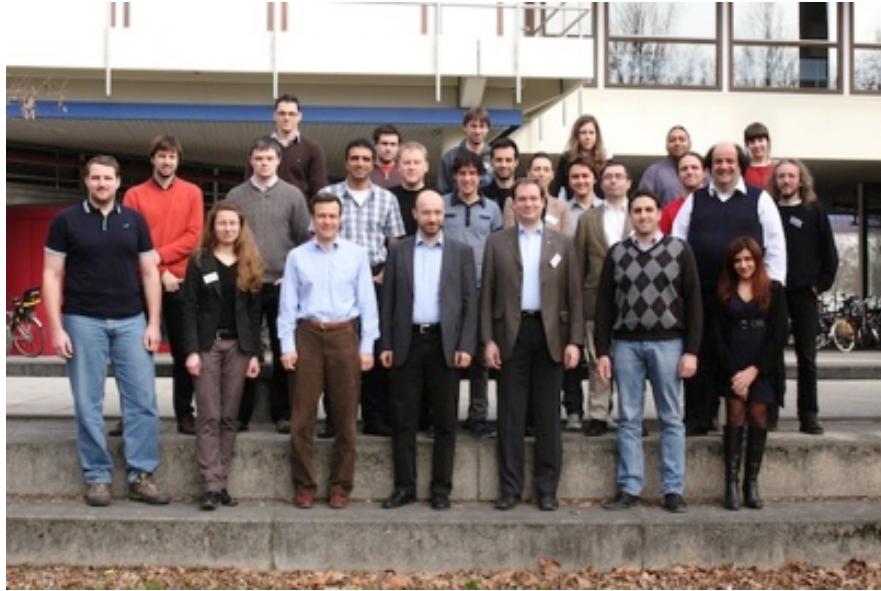


Events and Meetings

- 5 Multi-Skills Training Camps
- 12 Open Excellence Workshops
- 13 Supervisory Board Meetings
- 2 International Workshops
 - HotTopiCS 2013 co-located with ICPE 2013
 - RELATE Winter School 2015
- 14 local research training events
- 39 secondments



2012: MSTC and Mid-term Review in Karlsruhe



Karlsruhe, March 2012: 1st Multi-Skills Training Camp at KIT



Karlsruhe, December 2012: Mid-Term Review Meeting

2013: MSTC in Prague and London

Prague, April 2013

3rd Multi-Skills Training Camp at Charles University Prague



London, Oct 2013

4th Multi-Skills Training Camp at King's College London

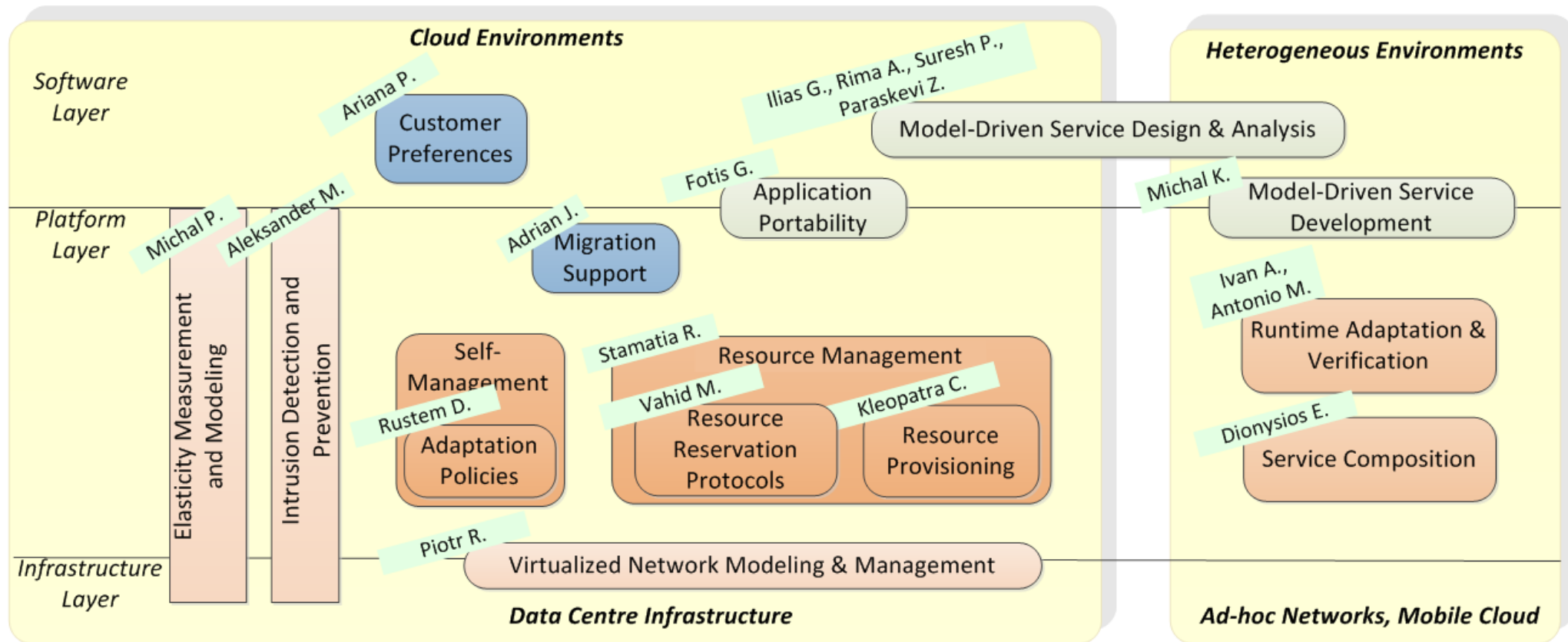


2014: MSTC in Rennes

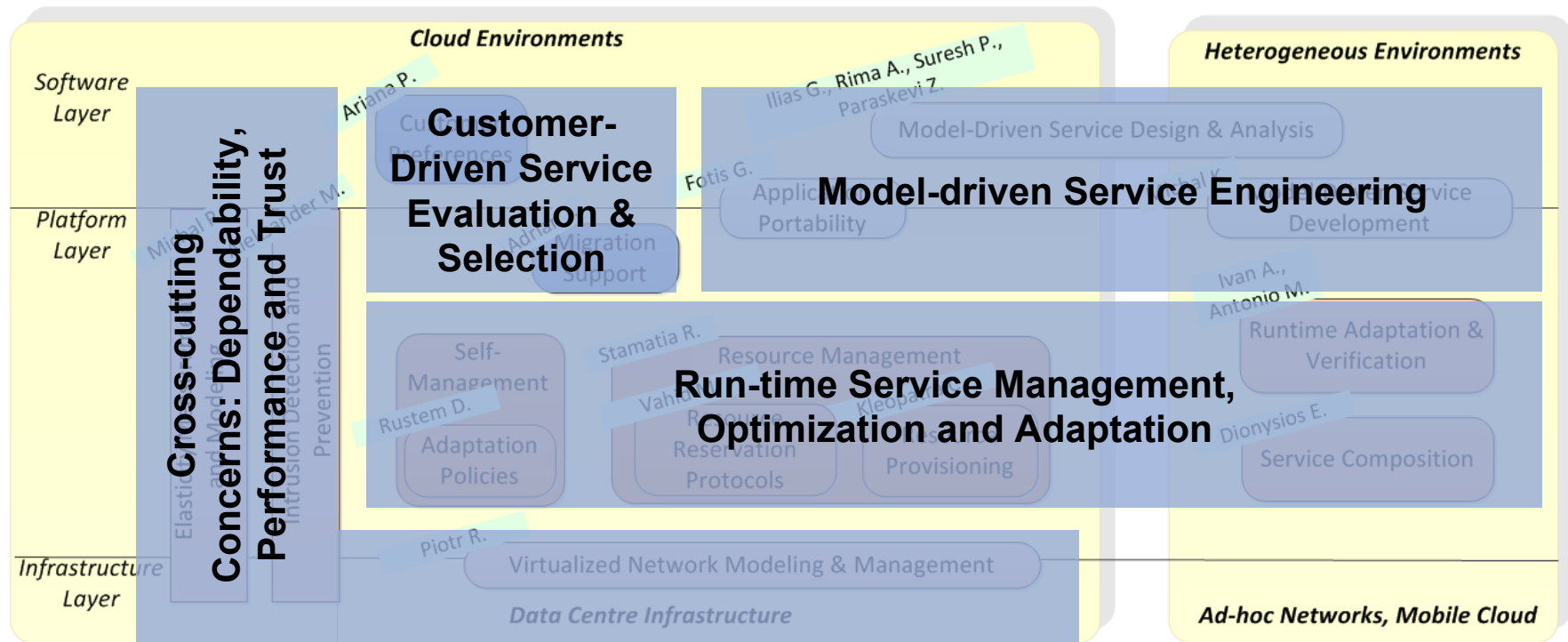


5th Multi-Skills Training Camp, held in Rennes, 25-27 June 2014

RELATE Research Map



RELATE Research Map



Publications

- Books/Chapters: 7
- Conferences: 46
- Workshops: 22
- Journals: 10
- Technical reports: 14



Selected Fellow Awards

- **SPECTacular Award 2014** (A. Milenkoski) from the Standard Performance Evaluation Corporation (SPEC), Dublin, Ireland, 2014.
- **SPECTacular Award 2013** (A. Milenkoski) from the Standard Performance Evaluation Corporation (SPEC), Prague, Czech Republic, 2013.
- **Best Paper Award** (R. Dautov) at DSC 2012, Thessaloniki, Greece, 2012.
- **Best Poster Award** (R. Dautov) at 9th Summer School on Ontology Engineering and the Semantic Web, Cercedilla, Spain, 2012.
- **Best St. Paper Award** (K. Chatzprimou) at IEEE CloudCom 2013, Bristol, UK.
- **2nd Place at ACM Student Research Competition** (I. Gerostathopoulos) at ACM/IEEE MODELS 2014, Valencia, Spain.
- **3rd Place at ACM Student Research Competition** (A. Verdejo) at ACM/IEEE MODELS 2014, Valencia, Spain.

RELATE ITN

RELATE FP7 Marie Curie ITN



The banner features the RELATE logo on the left, which consists of a grid of blue squares containing the letters R, E, L, A, T, E. To the right of the logo, the text reads "RELATE FP7 Marie Curie ITN" in a large, bold, sans-serif font, followed by "Trans-European Research Training Network on Engineering and Provisioning of Service-Based Cloud Applications" in a smaller font. Below the main text is a navigation bar with links for Home, News, Partners, Research Projects, ITN Board, Publications, and Open Positions.

RELATE

The FP7 Marie Curie Initial Training Network "RELATE" provides an opportunity for young researchers to study the latest technologies, platforms and tools in the area of engineering and provisioning of service-based Cloud applications. The ITN consists of seven leading European research institutes and five associated partners. The ITN organizes regular workshops and summer schools, so that the trained Early Stage Researchers (ESRs) and Experienced Researchers (ERs) can exchange research experience, insights and ideas. A total of 19 fellows, 15 ESR fellows who are registered for PhD degrees and four ER fellows, have been recruited so far (for open positions please see the link above). Through an integrative and multidisciplinary research approach, RELATE promotes the advancement of the state-of-the-art in the related areas of model-driven development of Software-as-a-Service (SaaS) applications, formal methods, service-based mash-ups and application integration, security and performance of SaaS applications, as well as quality management and business model innovation.

List of categories for this page:

Latest News

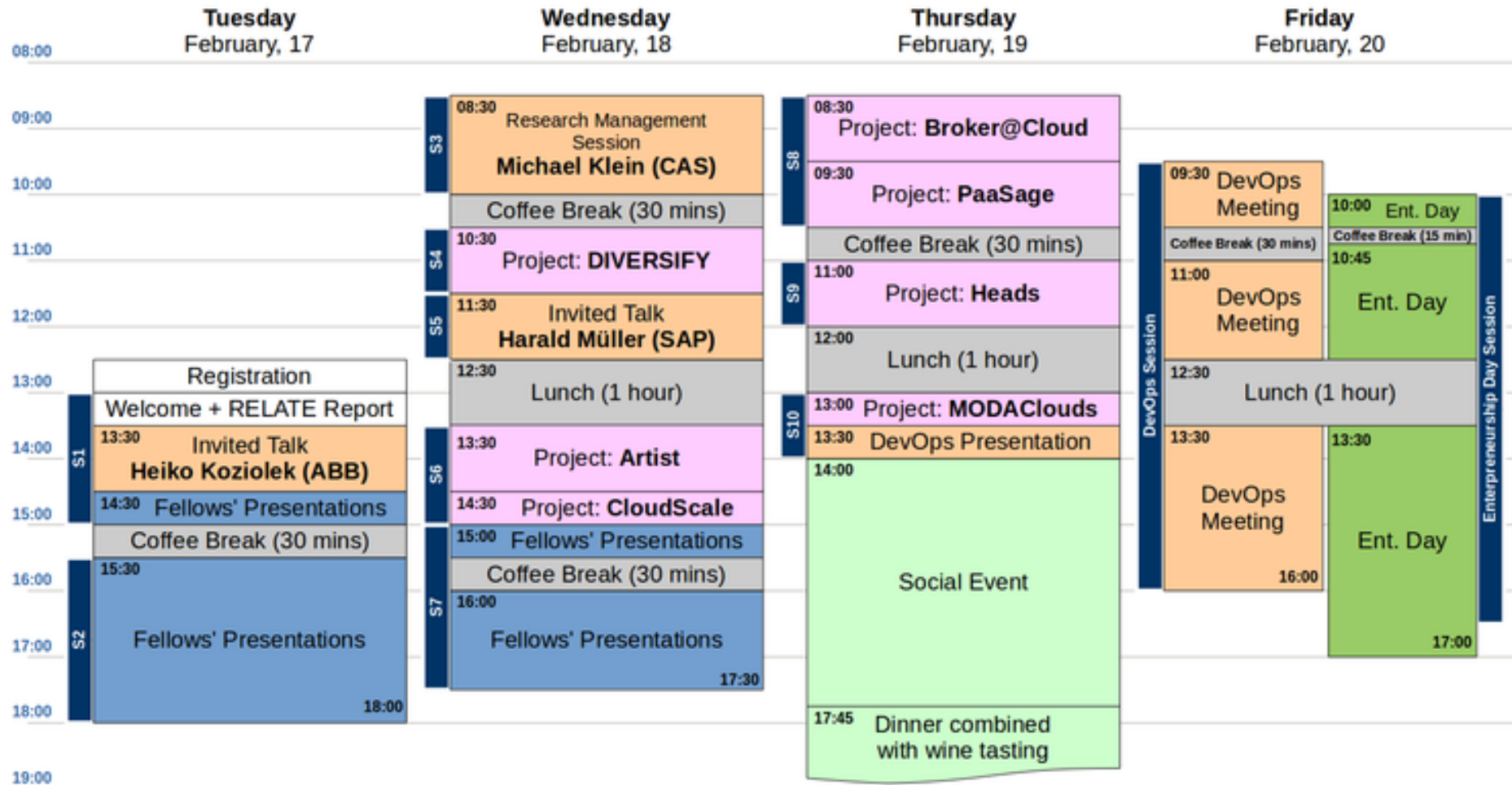
- Registration open – RELATE Winter School on Engineering and Provisioning of Cloud Applications – Research and Entrepreneurship, Würzburg, 17-20 February 2015
- Two awards for RELATE fellows at ACM Student Research Competition
- RELATE Winter School on Engineering and Provisioning of Cloud Applications – Research and Entrepreneurship, Würzburg, 17-20 February 2015
- 5th Multi-Skills Training Camp, held in Rennes, 25-27 June 2014
- SPEC Awards, 26. March 2014



Agenda

- Overview of the RELATE Project
- **Winter School Program**

Program Overview



Invited Keynote Speakers

1. Dienstag, 17.02. 13:30-14:30:
"The Automation Cloud"
Heiko Koziolk, ABB Corporate Research,
Principal Scientist and Global Research Topic
Coordinator, Industrial Software Technologies



2. Mittwoch, 18.02. 11:30:
"Software Products vs. Cloud Services"
Harald Müller, Vice President and Head of
Cloud Management, SAP SE,
Original Chief Product Owner for the SAP
HANA Cloud Platform



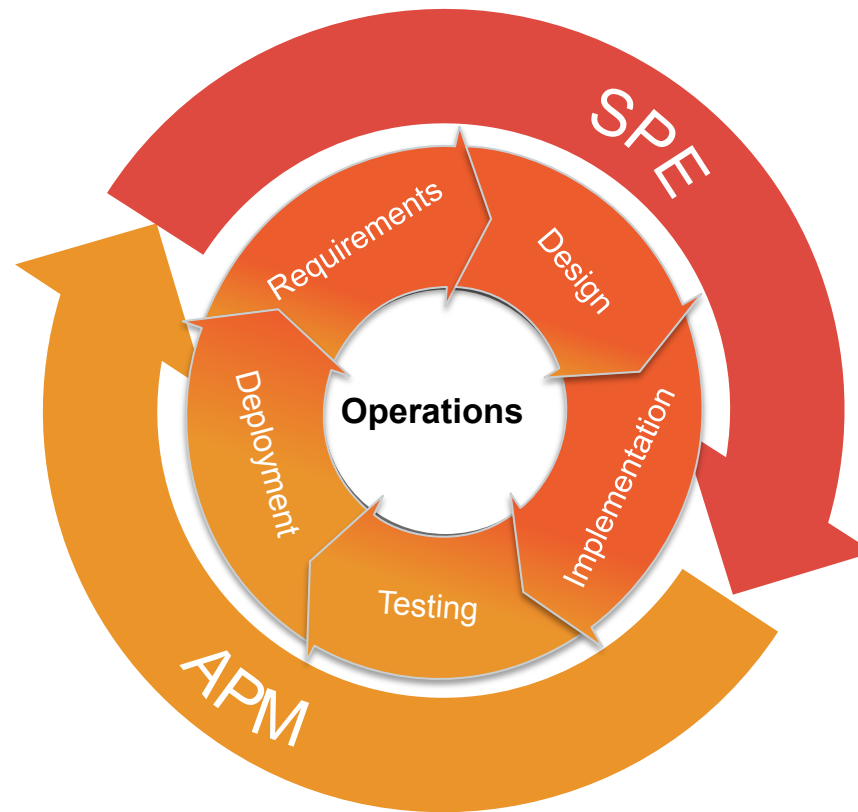
Related Project Presentations



Related Project Presentations

1. **HEADS**: Heterogeneous and distributed services for the future computing continuum
2. **PaaSage**: Model-based cloud platform upperware
3. **Broker@Cloud**: Continuous quality assurance and optimization for cloud brokers
4. **DIVERSIFY**: Ecology-inspired software diversification
5. **ARTIST**: Advanced software-based service provisioning and migration of legacy software
6. **MODAClouds**: Model-driven approach for design and execution of applications on multiple clouds
7. **CloudScale**: Scalable service engineering

Meeting of SPEC RG DevOps Performance



Mission: foster and facilitate research in combining **measurement-based** application performance management (APM) and **model-based** software performance engineering (SPE) activities for **business-critical application systems**.

<http://research.spec.org/devopswg/>

Entrepreneurship Day

Organizer: Spiros Alexakis (CAS Software AG, Karlsruhe)

Start-Up activities + initiation of intra- and extra-organisational innovation

Invited Speakers

1. Dr. Wassili Kazakos, Director Marketing & Sales, disy Informationssysteme GmbH
2. Anne Siebold, Start Up consultant
3. Dimitris Tsigos, President of YES – European Confederation of Young Entrepreneurs
4. Anmeldung: Saskia.Zocher@kit.edu



ENJOY!



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Würzburg, Feb 17-20, 2015