



# DevOps Performance Working Group



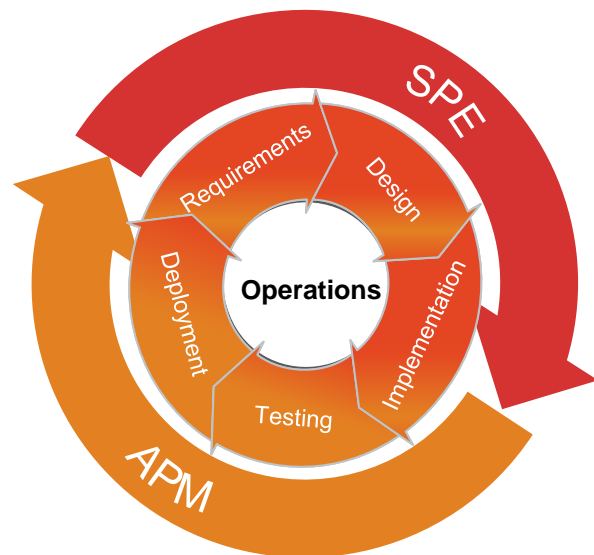
## Mission Statement

The RG DevOps Performance Working Group fosters and facilitates research in **combining software performance engineering (SPE) and application performance management (APM)** activities, e.g., by experience sharing, agreement on definitions, specification of metrics, and dissemination of novel methods, techniques, and tools for quantitative evaluation.

## General Topics of Interest

- **Performance and workload model extraction**
  - Dynamic/adaptive instrumentation techniques
  - Combination of static and dynamic analysis
- **Feedback between development (Dev) and operations (Ops)**
  - Interchange formats for metrics and models
  - Process models to better integrate SPE and APM activities
- **Runtime performance management techniques**
  - Automatic problem detection, diagnosis, and resolution
- **Load testing**
- **Benchmarks for SPE and APM methods, techniques, and tools**

## SPE and APM Integration



## Current Members (Dec. 2014)

fortiss

NOVATEC

University of Stuttgart  
Germany

KIT  
Karlsruher Institut für Technologie

Julius-Maximilians-  
UNIVERSITÄT  
WÜRZBURG

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Christian-Albrechts-Universität zu Kiel

## Current Activities

- Technical report on DevOps Performance
- Presentation of existing methods and techniques
- Landscaping of performance model extraction approaches
- Joint publications



- Interested to join? Learn more: <http://research.spec.org/devopswg>
- Bi-weekly meetings via teleconference
- The next face-to-face meeting will be held in Würzburg, Germany in February 2015

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