

# WOSAR WORKSHOP

**Monday, October 28, 2019**

## **Session 1: Software Aging Fault-Models**

**Chair: Alberto Avritzer**

9:00: *Keynote Talk: Fighting (aging-related) bugs.*  
Michael Grottke.

10:00: *Analysis of Software Aging Impacts on Plant Anomaly Detection with Edge Computing.* Ermeson Andrade and Fumio Machida.

10:30 - break

11:00: *Stochastic Model for Availability Analysis of Service Function Chains using Rejuvenation and Live Migration.*  
Erico Guedes and Paulo Maciel.

## **Session 2: Aging and Rejuvenation Vision Papers**

**Chair: Domenico Cotroneo**

11:30: *Towards Testing the Software Aging Behavior of Hypervisor Hypercall Interfaces.*  
Lukas Beierlieb, Lukas Iffländer, Aleksandar Milenkoski, Charles F. Gonçalves, Nuno Antunes and Samuel Kounev.

12:00: *Rejuvenation in the Age of Information.*  
Daniel Sadoc Menasché, Kishor Trivedi and Eitan Altman.

12:30 - Lunch Break

13:30: *Software Rejuvenation in the Wild: From Folklore to Law Enforcement.*  
Mateus Nogueira, Felipe Assis, Daniel Sadoc Menasché, Geraldo Xexeo and Katinka Wolter.

## **Session 3: Software Aging Tools**

**Chair: Michael Grottke**

14:00: *Keynote Talk: Modeling the implementation of software rejuvenation in computer systems: Advances and future trends.*  
Vasilis P. Koutras.

15:00 - Break

15:30: *A Configurable Software Aging Detection and Rejuvenation Agent for Android.*  
Domenico Cotroneo, Luigi De Simone, Roberto Natella, Roberto Pietrantuono and Stefano Russo.

16:00: *MemDefender: An Allocation Monitoring and Memory Leak Injection Tool for Java.*

Mohammadreza Ghanavati, Artur Andrzejak and Felix Langner.

16:30 - Wrap

Software Aging and Rejuvenation Handbook

Plenary discussion

19:00 Social Event - Dinner

Lal Haweli, 51 Alt-Moabit, Berlin 10555, Germany

Directions from ISSRE Venue:

