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<http://www.ercim.org>

European Research Consortium
for Informatics and Mathematics

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S E R E N E

an **ERCIM** Working Group on

**Software EngineerRing
for
rEsilieNt systEms**



Cooperating for Excellence in Research

ERCIM Working Groups

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Working Group

[Applications of Numerical Mathematics in Science](#)

[Computing and Statistics](#)

[Constraints](#)

[Data and Information Spaces \(DIS\)](#)

[Dependable Software-Intensive Embedded Systems](#)

[Digital Patient](#)

[E-Mobility](#)

[Environmental Modelling](#)

[Formal Methods for Industrial Critical Systems](#)

[Grids, P2P and Services](#)

[IM2IM - IT and Mathematics applied to Interventional Medicine](#)

[Image and Video Understanding](#)

[Security and Trust Management](#)

[Sensor Web](#)

[Software Engineering for Resilient Systems](#)

[Software Evolution](#)

SERENE Past

- 2004 – 2007
 - RISE ERCIM Working Group (<http://rise.uni.lu>)
 - On Rapid Integration of Software Engineering Techniques
- 2006-2007 (<http://efts.uni.lu>)
 - EFTS Workshop on Engineering of Fault Tolerant Systems
 - N. Guelfi, H. Muccini, P. Pelliccione, A. Romanovsky
- What in 2008 ?
 - RISE and EFTS merge -> **ERCIM Official WG creation**
=> SERENE Working group proposal
 - Software Engineering for REsilieNt systEms
 - SERENE considers resilient systems as open and distributed systems that can **dynamically adapt in a predictable way to unexpected events.**
 - SERENE advocates that resilience should be **explicitly included into traditional software engineering** theories and practices and should become an integral part of all steps of software development.
 - As current software engineering practices tend to capture only normal behavior, assuming that all abnormal situations can be removed during development, **new software engineering methods and tools need to be developed to support explicit handling of abnormal situations.**

- **Become a member**
- **of SERENE WG**

- Send an email
- ERCIM fellowship program
- ERCIM EC projects
 - Scientific network
 - ERCIM Office (2007)
 - 11 EC projects coordinated
 - (IP, NoE, CA, Strep, SSA,...)
 - 6 EC projects as participant

Institution	Last Name	First Name	Country
Aabo Akademi	Troubitsyna	Elena	Finland
Birkbeck College	Di Marzo	Giovanna	United Kin
BUTE	Pataricza	Andras	Hungary
CNR-ISTI	Bertolino	Antonia	Italy
CNR-ISTI	Di Giandomenico	Felicita	Italy
CNR-ISTI	Gnesi	Stefania	Italy
CWI	Klint	Paul	The Nethe
FNR - CRP Henri Tudor	Grandry	Eric	Luxembou
FNR - University of Luxembourg	Guelfi	Nicolas	Luxembou
FORTH	Savidis	Anthony	Greece
Fraunhofer FOKUS	Born	Marc	Germany
Fraunhofer FOKUS	Moeller	Eckhard	Germany
Fraunhofer FOKUS	Schieferdecker	Ina	Germany
Fraunhofer IPSI	Mistrik	Ivan	Germany
INRIA	Issarny	Valerie	France
LAAS-CNRS	Kaaniche	Mohamed	France
Nokia Research	Tam	Francis	Finland
NTNU	Arve Aagesen	Finn	Norway
Polit. di Milano	Mirandola	Raffaella	Italy
Poznan University of Technology	Nawrocki	Jerzy	Poland
SARIT - University of Geneva	Buchs	Didier	Switzerlan
SpaRCIM	Pimentel	Ernesto	Spain
SZTAKI	Monostori	Laszlo	Hungary
University of L'Aquila	Inverardi	Paola	Italy
University of L'Aquila	Muccini	Henry	Italy
University of L'Aquila	Pelliccione	Patrizio	Italy
University Mc Gill	Kienzle	Jorg	Canada
University Mc Master	Maibaum	Tom	Canada
University of Florence	Bondavalli	Andrea	Italy
University of Ioannina	Zarras	Apostolos	Greece
University of Groningen	Avgeriou	Paris	The Nethe
University of Newcastle	Fitzgerald	John	United Kin
University of Newcastle	Romanovsky	Alexander	United Kin
University Roma Tor Vergata	Grassi	Vincenzo	Italy
VTT	Haajanen	Jyrki	Finland
VTT	Niemi	Joni	Finland



SERENE WG Futur/ Organization

Chair

- Nicolas Guelfi
 - Legal WG responsible w.r.t. ERCIM Org.

Executive committee

- Guelfi Nicolas, University of Luxembourg
- Muccini Henry, University of L'Aquila
- Pelliccione Patrizio, University of L'Aquila
- Romanovsky Alexander, Newcastle University

Motivations

- Be in line with the organisation of SERENE workshop
- Have a more collaborative management of the working group main responsibilities

SERENE WS organization

- WS Steering committee
 - Motivations
 - Provide the opportunity to SERENE members to be involved in the WS management
 - Be in line with the WG organisation
 - Constitution
 - WG steering committee
 - 1 General chair
 - WS hosting
 - WS organisation
 - 1 PC chair
 - WS scientific scope & quality
 - WS PC management

SERENE WS organization - ctnd

- 2009 WS schedule
 - P1 < February
 - Call for GC and PCC candidates
 - P2 < February
 - WG SC fixes the GC and PCC
 - P3 < April
 - CFP
 - Dates carefully defined w.r.t. other events
 - PC
- Submit papers 😊 !
- Attend ;) !



Thanks

- Questions ?!

