



**Joint  
11th European Software Engineering Conference  
and  
15th ACM SIGSOFT Symposium on the Foundations of Software Engineering**

**WELCOME**

**Dubrovnik, Croatia  
September 3-7  
2007**

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007



- **Welcome to ESEC/FSE 2007** to the *6th joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering.*



Ivica Crnkovic  
ESEC/FSE 2007 General Chair



Antonia Bertolino  
ESEC/FSE 2007 Program Chair

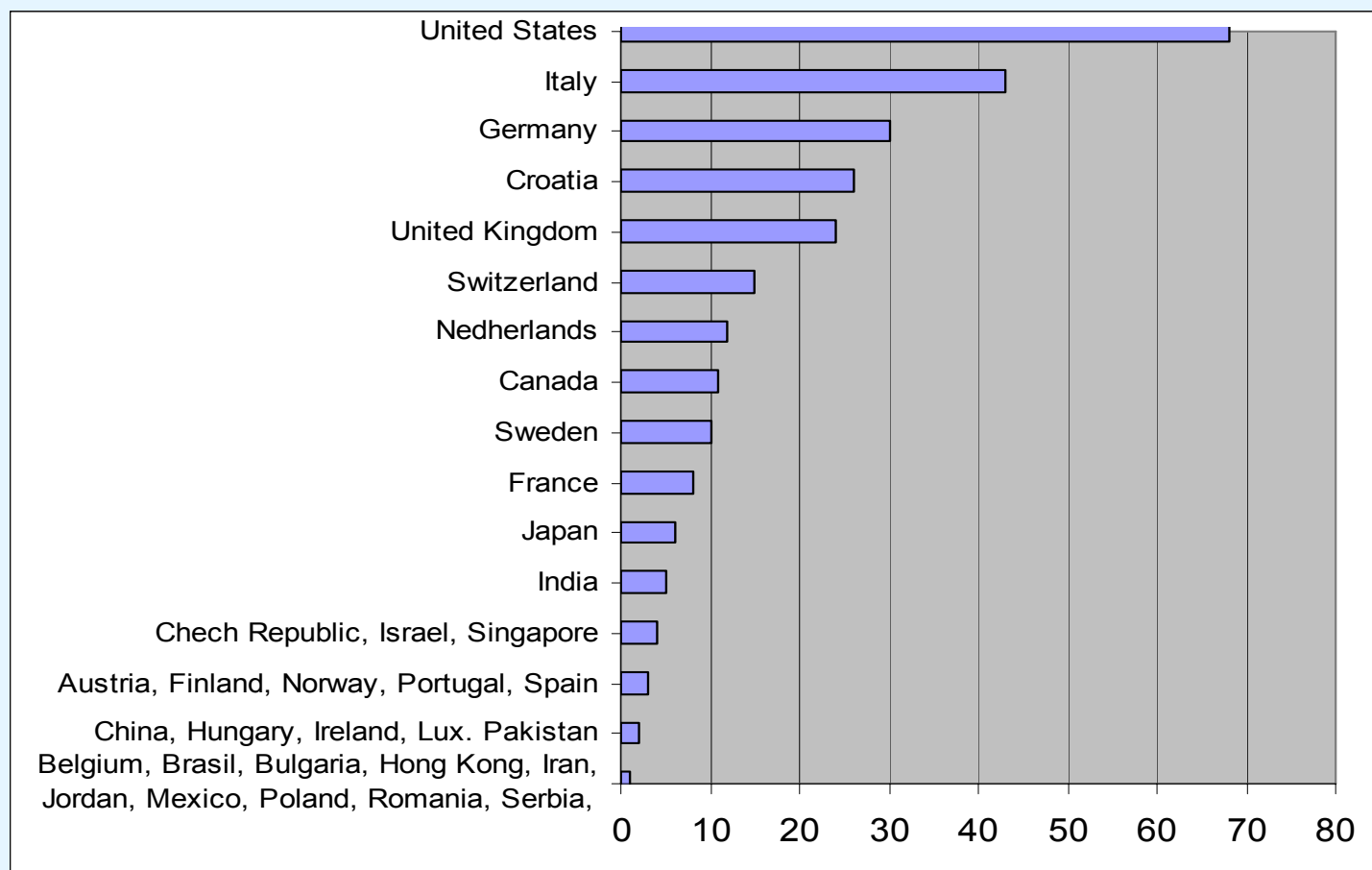
# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

## ESEC/FSE 2007 in numbers

- **302** participants and 10 staff members from 36 countries
- **204** attended the workshops
- **235** registered for the conference



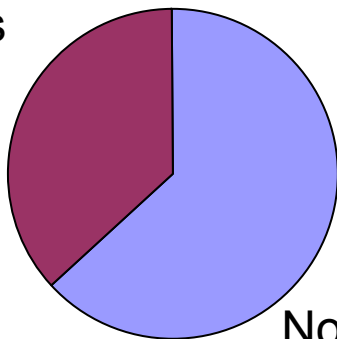
# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

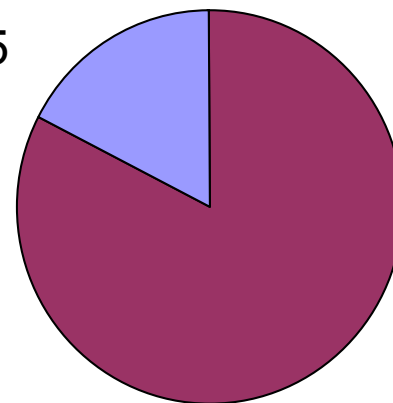
## ESEC/FSE statistics

Students  
37%



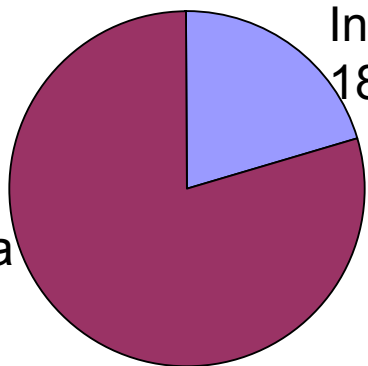
Non-students  
63%

Female 55

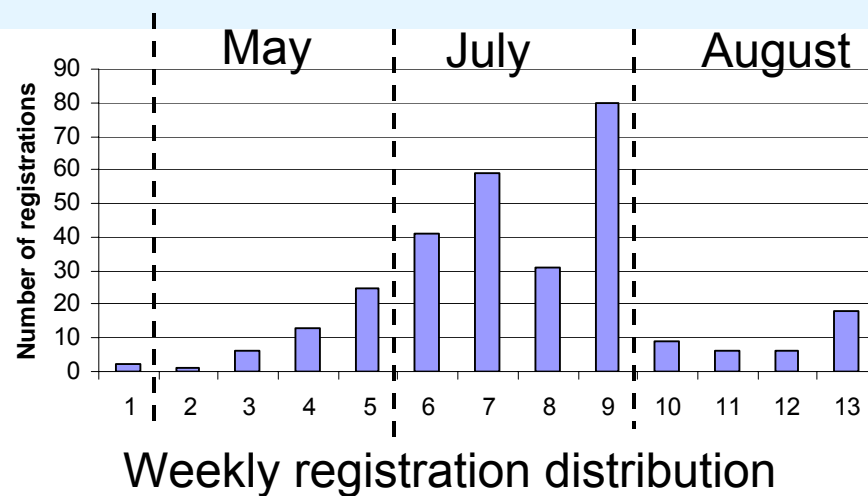


Male  
257

Academia  
82%



Industry  
18%



# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

## The Conference program

Mon	Tue	Wed	Thu	Fri
Workshops & Doctoral Symposium		The conference main sessions		

W1: [SYANCO](#) (19 participants)

International Workshop on Synthesis and Analysis of Component Connectors

W2: [SAVCBS](#) (25 participants)

6th Workshop on Specification and Verification of Component-Based Systems

W3: [IWPSE](#) (36 participants)

9th International Workshop on Principles of Software Evolution

W4: [IW-SOSWE](#) (26 participants)

2nd International Workshop on Service Oriented Software Engineering

W5: [SOQUA](#) (25 participants)

4th International Workshop on Software Quality Assurance

W6: [EFTS](#) (21 participants)

2nd Workshop on Engineering Fault Tolerant Systems

W7: [ESSPE](#) (27 participants)

Engineering of Software Services for Pervasive Environments

W8: [DoSTA](#) (14 participants)

Workshop on Domain Specific Approaches to Software Test Automation

DS – [Doctoral Symposium](#) (12 participants)

# CONFERENCE PROGRAM

Wednesday, Sept. 5

Thursday, Sept. 6

Friday, Sept. 7

OPENING

Session V:  
Test  
Generation

Session VI:  
Refactoring  
Automation

Awards and Announcements

**Keynote**  
Roberto Siagri

**Keynote**  
Elaine J Weyuker

BREAK/**Poster Session**

BREAK/**Poster Session**

BREAK

Session I:  
Mining  
Specifications  
and Structure

Session II:  
Fault Detection

Session VII:  
Scaling-up  
Static Analysis

**WISE**

Session X:  
Verification  
Techniques

Session XI:  
Developer-  
centric Studies

LUNCH

LUNCH

LUNCH

**State-of-the-Art**  
Stefen Staab

**State-of-the-Art**  
Marta Kwiatkowska

**State-of-the-Art**  
Walt Scacchi

BREAK/**Poster Session**

EU-FP7: Paolo Bresciani

In-Memory Talk: Andre Scedrov

Session III:  
Code Analysis

Session IV:  
Development  
Processes and  
Tools

BREAK/**Poster Session**

BREAK

Session VIII:  
Service-  
Oriented and  
Mobile  
Computing

Session IX:  
Modeling  
Approaches

Session XII:  
Empirical  
System  
Characteri-  
zation

Session XIII:  
Unit and  
System  
Testing

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

## The Plenary Sessions

**Keynote talk:** **Roberto Siagri** (President and CEO, Eurotech spa)

**Pervasive Computers and the GRID: the Birth of a Computational Exoskeleton for Augmented Reality**

**ACM SIGSOFT Outstanding Research Award:**

**Elaine J. Weyuker** (AT&T Labs – Research)

**Software Engineering Research - From Cradle to Grave**

**EU Presentation:** **Paolo Bresciani** (European Commission)

**ICT in FP7 – Next Opportunities**

**In-memory talk:** **Andre Scedrov** (Univ. Pennsylvania)

**The Work of Dean Rosenzweig: A Tribute to a Scientist and an Innovator**

### State-of-the-Art Presentations

Chairs: M.Jazayeri & D. Rosenblum

**Steffen Staab** (Un. Koblenz-Landau)

**On Marrying Ontological and Metamodeling Technical Spaces**

**Marta Kwiatkowska** (Oxford Univ.)

**Quantitative Verification: Models, Techniques and Tools**

**Walt Scacchi** (Univ. of California, Irvine)

**Free/Open Source Software Development: Recent Research Results and Emerging Opportunities**

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007



## The Technical Papers (parallel sessions)

- **42** (full) papers selected out of **251** submissions (record number) → **rate 16,7%**
- **18** additional papers accepted as **Posters**
- Two-phase reviewing process and a face-to-face two-days meeting in Minneapolis
- *Quite an effort* : A grandtotal of 645 reviews, making up to 25 papers for each PC member, plus more than 100 external reviewers
- 4 ACM distinguished paper awards: recipients announced on Friday morning

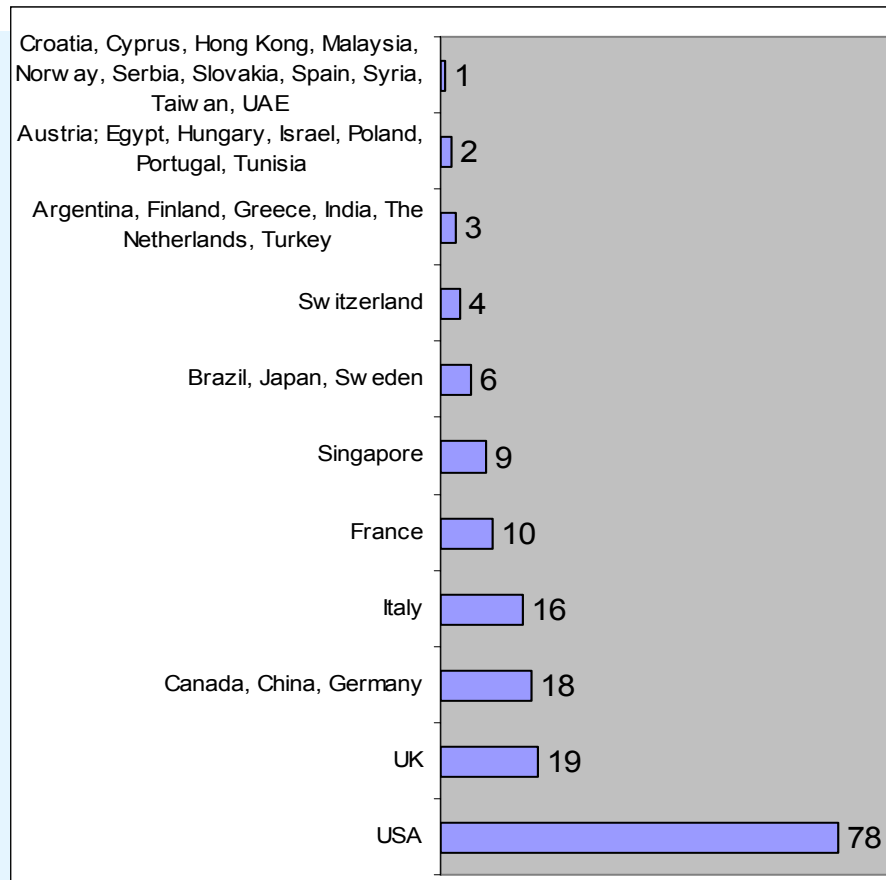
# ESEC/FSE 2007

Dubrovnik, Croatia

## Submitted:

205 from academia, 15 from industry, 31 mixed

From 36 countries (36 transnational):

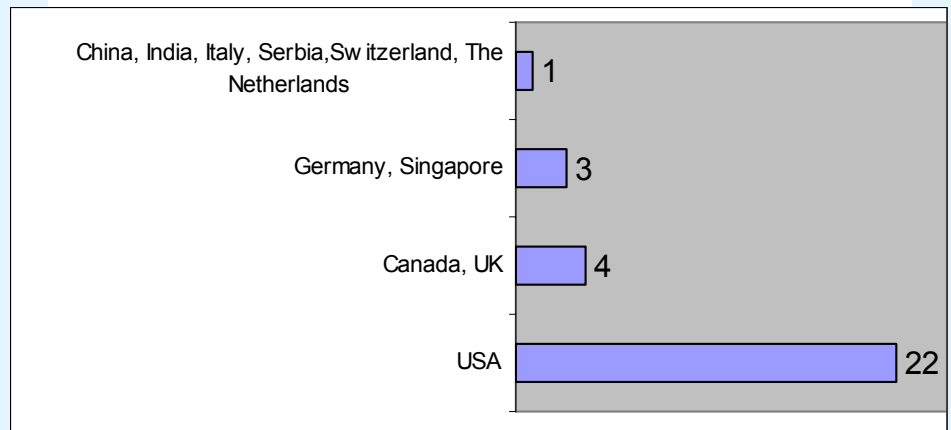


## Paper statistics

## Accepted

35 from academia, 1 from industry, 6 mixed

From 11 countries (9 transnational):



# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007



*Nothing of this would have been possible  
without ...*

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

## The ESEC/FSE PC

[Gerardo Canfora](#), Univ. of Sannio, Italy  
[S.C. Cheung](#), Hong Kong U. of Science and Technology, Hong Kong  
[Lori Clarke](#), Univ. of Massachusetts, USA  
[Prem Devanbu](#), Univ. of California, Davis, USA  
[Laurie Dillon](#), Michigan State Univ., USA  
[Sebastian Elbaum](#), Univ. of Nebraska, Lincoln, USA  
[Michael Ernst](#), MIT, USA  
[Jacky Estublier](#), Grenoble Univ., France  
[Harald Gall](#), Univ. of Zurich, Switzerland  
[Constance Heitmeyer](#), Naval Research Lab., USA  
[James Herbsleb](#), Carnegie Mellon Univ., USA  
[Paola Inverardi](#), Univ. dell'Aquila, Italy  
[Ignac Lovrek](#), Univ. of Zagreb, Croatia  
[Cecilia Mascolo](#), Univ. College London, U.K.

[Raffaela Mirandola](#), Politecnico di Milano, Italy  
[Kumiyo Nakakoji](#), Univ. of Tokyo/SRA-KTL Inc., Japan  
[Alessandro Orso](#), Georgia Institute of Technology, USA  
[Corina Pasareanu](#), NASA Ames  
[Sriram K. Rajamani](#), Microsoft Research, India  
[Wilhelm Schäfer](#), Univ. of Paderborn, Germany  
[Heinz Schmidt](#), RMIT University, Australia  
[Sebastian Uchitel](#), Univ. of Buenos Aires, Argentina / Imperial College London, U.K.  
[André van der Hoek](#), Univ. of California, Irvine, USA  
[Claes Wohlin](#), Blekinge Institute of Technology, Sweden  
[Alexander Wolf](#), Univ. of Lugano, Switzerland  
[Apostolos Zarras](#), Univ. of Ioannina, Greece

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

*and the external reviewers*

Saswat Anand  
Taweessup Apiwattanapong  
Myla Archer  
Shay Artzi  
Björn Axenath  
George Baah  
Ramesh Bharadwaj  
Christian Bimmermann  
Chris Bird  
Bruno Blaskovic  
Nikola Bogunovic  
Victor Braberman  
Zeljka Car  
Wing-Kwong Chan  
Bin Chen  
James Clause  
Myra Cohen  
Vittorio Cortellessa  
Antinisca Di Marco  
Massimiliano Di Penta  
Davide Di Ruscio  
Damiano Distante  
Matthew Dwyer  
Laurenz Eveleens  
Jean-Marie Favre  
Dario Fischbein  
Gerhard Fischer  
Marc Fisher  
Scott D. Fleming  
Beat Fluri  
Franca Garzotto  
Matthias Gehrke

Mihaela Gheorghiu Bobaru  
Emanuel Giger  
Ryan M. Golbeck  
Madhu Gopinathan  
Vincenzo Grassi  
Joel Greenyer  
Bhargav S. Gulavani  
William Halfond  
Cyrus Hall  
Madeline Hardojo Diep  
Stefan Henkler  
Martin Hirsch  
Yi Huang  
Darko Huljenic  
Michel Jaring  
Ralph D. Jeffords  
Johan Jeuring  
Gordan Jezic  
Lingxiao Jiang  
James A. Jones  
Damir Kalpic  
Toshihiro Kamiya  
Peter Kampstra  
Nicolas Kicillof  
Gregor Kiczales  
Adam Kiezun  
Sunghun Kim  
Patrick Knab  
Alex Kinneer  
Rene Krikhaar  
Erald Kulk  
Krishna Kumar

Mehra  
Mario Kusek  
Lukasz Kwiatkowski  
Elizabeth I. Leonard  
Emmanuel Letier  
Christian Lindig  
Eda Marchetti  
Andy Maule  
Matthias Meier  
Paul S. Miner  
Osamu Mizuno  
Prasad G. Naldurg  
Aditya V. Nori  
Johann Oberleitner  
Masao Ohira  
Ronald Olsson  
Robert Palmer  
Patrizio Pelliccione  
Suzette Person  
Milos Prvulovic  
Franco Raimondi  
Hridesh Rajan  
Gerald Reif  
Matthew Rutherford  
Joseph Ruthruff  
Jeff Rose  
Antonino Sabetta  
Mehrddad Sabetzadeh  
Michele Sama  
Raul Santelices  
Beata Sarna-Starosta  
Zach Saul

Fernando Schapachnik  
David Schmelter  
Bran Selic  
Daniel Skrobo  
Yannis Smaragdakis  
Sinisa Srblic  
Christian Stefansen  
Sarah Thompson  
Matthias Tichy  
Massimo Tivoli  
Dietrich Travkin  
Luigi Troiano  
Krunoslav Trzec  
Pieter van der Spek  
Adam Vanya  
Panos Vassiliadis  
Kapil Vaswani  
Niels Veerman  
German Vega  
Lakshmisubrahmanyam Velaga  
Zhimin Wang  
Bruno Wassermann  
Gary Wasserman  
Michael Würsch  
Tao Xie  
Yunwen Ye  
Yuen-Tak Yu  
Vadim Zaytsev  
Charles Zhang  
Jianjun Zhao  
Yoav Zibin  
Eugenio Zimeo

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007



The WISE Track

- *Widened Software Engineering* explicitly aimed at broadening the internationality of the ESEC/FSE community
- 3 papers selected out of 23 submissions
- Thanks to the WISE PC:  
[Antonia Bertolino](#) & [Henry Muccini](#) (chairs)

[Judith Bishop](#), University of Pretoria, South Africa

[Alan Hartman](#), IBM Research, Israel

[Zhiming Liu](#), United Nations University, Macao

[Ignac Lovrek](#), University of Zagreb, Croatia

[Mary Lou Soffa](#), University of Virginia, USA

[R Venkatesh](#), TATA Consultancy Services, India

[Marlon Vieira](#), Siemens Corporate Research, USA

[Dany Yankelevich](#), Pragma Consultores, Argentina

[Jian Zhang](#), Chinese Academy of Sciences, China

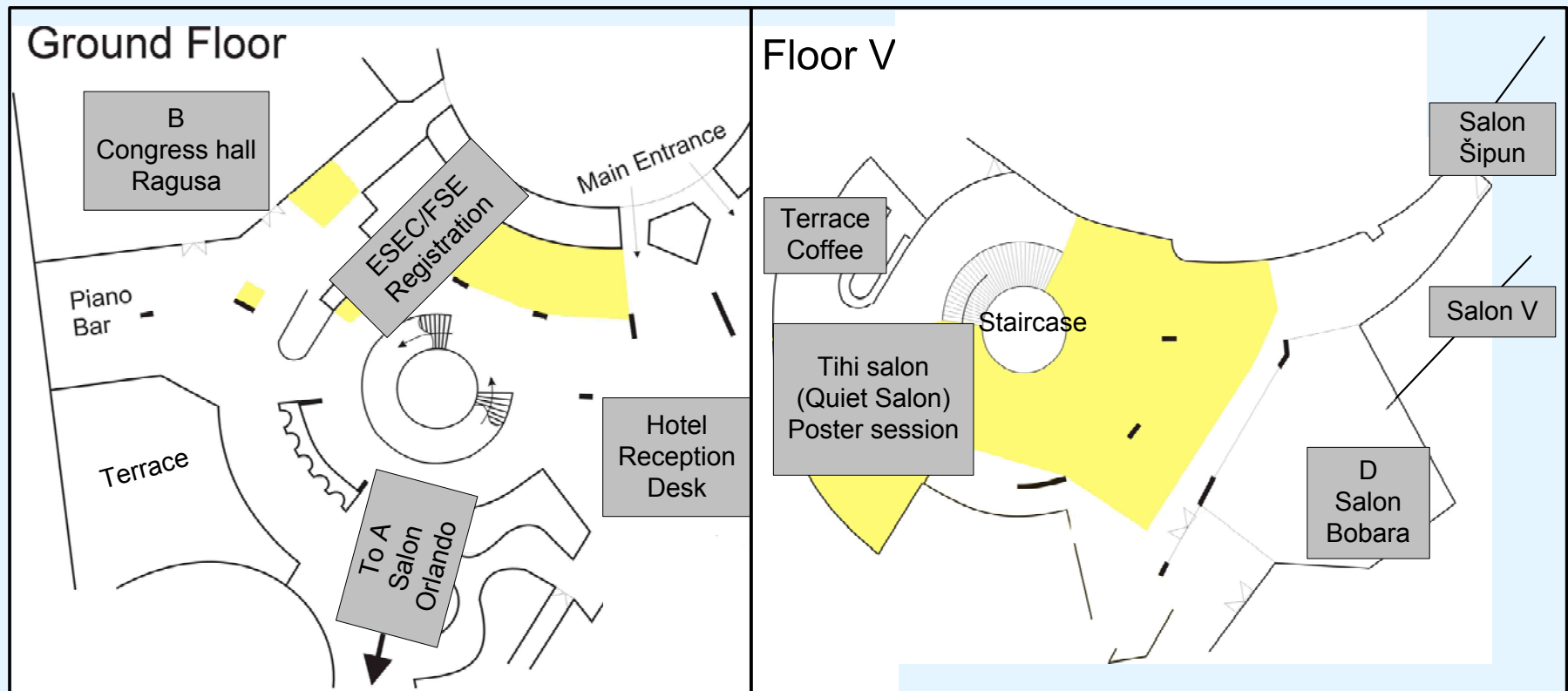
# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

## The conference logistic

- Sessions
  - Plenary sessions– Ragusa
  - Technical Papers Sessions – Orlando & Bobara



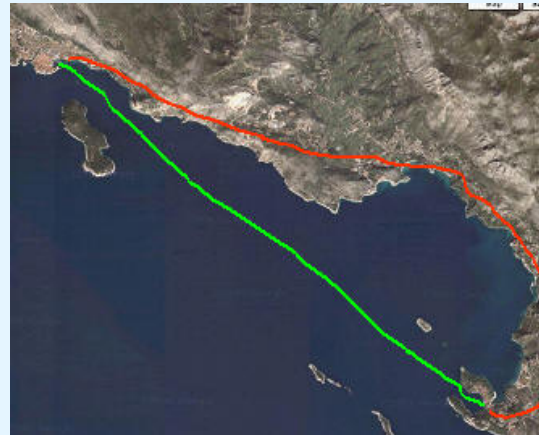
# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

## Social Events

- Wednesday
  - Boat trip to old town of Dubrovnik and a reception in Sponza Palace
- Thursday
  - SE.run(5k),  
SE.run(10k)
  - Conference dinner
- Friday
  - Closing session



More about social events after SOTA session 15.00

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007



**Evaluation form**

- In your bag there is an evaluation form:

## **ESEC/FSE 2007, Cavtat, Croatia**

### **Feedback form**

Your opinions and suggestions are valuable to us. Please complete this form and return it to the Registration Desk. Feel free to write additional comments below the questions

	Excellent	Good	Average	Poor	I don't know	
The conference keynotes were		x	x	x	x	x
The SOTA presentations were		x	x	x	x	x
The quality of papers were		x	x	x	x	x
The paper presentations were		x	x	x	x	x
Are your first time on ESEC/FSE conference ?			YES	NO		
Will you come to the conference next year?	Yes	Probably	Yes	Probably	No	No

Why is this form important?

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

## Who worked for ESEC/FSE 2007?

• **Sixty five** people worked actively on ESEC/FSE (not counting additional reviewers).

- Antonia Bertolino, *ISTI-CNR, Italy*, Ivica Crnković, *Mälardalen University, Sweden*, Antonia Bertolino, *ISTI-CNR, Italy*, Henry Muccini, *Università dell'Aquila, Italy*, Carlo Ghezzi, *Politecnico di Milano, Italy*, Matthew Dwyer, *University of Nebraska, Lincoln, USA*, Amy Murphy, *FBK-IRST, Italy and University of Lugano, Switzerland*, Stefan Biffli, *Vienna University of Technology, Austria*, Ivana Podnar Žarko, *University of Zagreb, Croatia*, Mehdi Jazayeri, *University of Lugano, Switzerland and Vienna University of Technology, Austria*, avd Rosenblum, *University College London, U.K.*, Eda Marchetti, *ISTI-CNR, Italy*, Damir Isović, *Mälardalen University, Sweden*, Hüseyin Aysan, *Mälardalen University, Sweden*, Cecilia Mascolo, *University College London, U.K.*, Harriet Ekwall, *Mälardalen University, Sweden*, Srećko Krile, *University of Dubrovnik, Croatia*, Daniela Mulas, *ISTI-CNR, Italy*, Alberto Ribolini, *ISTI-CNR, Italy*, Marija Šebalj, *Hotel Croatia, Cavtat, Croatia*, Monica Wasell, *Mälardalen University, Sweden*, Gerardo Canfora, *University of Sannio, Italy*, Shing-Chi Cheung, *Hong Kong University, Hong Kong*, Lori Clarke, *University of Massachusetts, USA*, Prem Devanbu, *University of California, Davis, USA*, Laurie Dillon, *Michigan State University, USA*, Sebastian Elbaum, *University of Nebraska, USA*, Michael Ernst, *MIT, USA*, Jacky Estublier, *Grenoble University, France*, Harald Gall, *University of Zurich, Switzerland*, Constance Heitmeyer, *Naval Research Lab, USA*, James Herbsleb, *Carnegie Mellon University, USA*, Paola Inverardi, *Università dell'Aquila, Italy*, Ignac Lovrek, *University Raffaella Mirandola, Politecnico di Milano, Italy*, Kumiyo Nakakoji, *Univ. of Tokyo/SRA-KTL, Japan*, Alessandro Orso, *Georgia Institute of Tech., USA*, Corina Pasareanu, *NASA Ames, USA*, Sriram K. Rajamani, *Microsoft Research, India*, Wilhelm Schäfer, *University of Paderborn, Germany*, Heinz Schmidt, *RMIT University, Australia*, Sebastian Uchitel, *University of Buenos Aires, Argentina and Imperial College London, U.K.*, André van der Hoek, *Univ. of California, Irvine, USA*, Claes Wohlin, *Blekinge Institute of Tech., Sweden*, Alexander Wolf, *University of Lugano, Switzerland*, Apostolos Zarras, *University of Ioannina, Greece*, Judith Bishop, *University of Pretoria, South Africa*, Alan Hartman, *IBM Research, Israel*, Zhiming Liu, *United Nations University, Macao*, Ignac Lovrek, *University of Zagreb, Croatia*, Mary Lou Soffa, *University of Virginia, USA*, R Venkatesh, *TATA Consultancy Services, India*, Marlon Vieira, *Siemens Corporate Research, USA*, Dany Yankelevich, *Pragma Consultores, Argentina*, Jian Zhang, *Chinese Academy of Sciences, China*, Elena, Giulia, Costanza, Giulia, Anna, Goran, Filip, Jan, Maroje, Pasqualina, Severine Mauro, Henry, Aneta, Cristina, Ivana, Eda

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

## Special, special thanks to...

### Workshops Chairs

Matthew Dwyer  
Amy Murphy



### WISE Chairs

Antonia Bertolino  
Henry Muccini



### SOTA Chairs

Mehdi Jazayeri  
David Rosenblum



### DS Chair

Carlo Ghezzi



### Local Chair

Ivana Podnar Žarko



### Publicity Chair

Stefan Biffl



### Poster Chair

Eda Marchetti



### Web Chair

Damir Isovici



**And the supporting staff in red t-shirts helping whenever needed:**

Daniela, Elena, Giulia, Costanza, Giulia, Anna, Goran, Filip, Maroje, Jan Aneta, Cristina, Séverine, Pasqualina, Hüseyin

# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007

and thanks to  
our sponsors and supporters



# ESEC/FSE 2007

Dubrovnik, Croatia

September 3 - 7, 2007



**Finally....**

- ESEC/FSE (first time) in Croatia





**Joint  
11th European Software Engineering Conference  
and  
15th ACM SIGSOFT Symposium on the Foundations of Software Engineering**

**WELCOME**

**Dubrovnik, Croatia  
September 3-7  
2007**