



## SEEA 2023 Conference, Durres, Albania, 6th-8th September, 2023

### Programme

Ver.

1.9.2023

Wednesday, 6th September 2023				
Time	ROOM2	ROOM 4	ROOM 6	ROOM C
07:30-08:30	<b>Registration</b>			
08:30 - 09:00	<b>Welcome Session (Organizers, PC Chairs), ROOM 1</b>			
09:00 - 10:00	<b>Keynote 1 (DSD), ROOM1</b>			
10:00 - 10:30	<b>Coffee Break</b>			
10:30 - 12:00	<b>Session 1: (SPPI)</b> <b>Session chair: Dietmar Winkler</b> 3236 Alejandra Duque-Torres, Claus Klammer, Dietmar Pfahl, Stefan Fischer and Rudolf Ramler Towards Automatic Generation of Amplified Regression Test Oracles FULL	<b>Session 2: (DAIDE)</b> <b>Session chair: Helena Holmström Olsson and Jan Bosch</b> 2037 Sonja Hyrynsalmi, Jan Bosch and Helena Holmström Olsson Towards an integration management maturity FULL	<b>Session 3: (SM-STREAM)</b> <b>Session chair: Onur Demiros and Konstantinos Georgiou</b> 6275 Giammaria Giordano, Giulia Sellitto, Aurelio Sepe, Fabio Palomba and Filomena Ferrucci The Yin and Yang of Software Quality: On the Relationship between Design Patterns and Code Smells FULL	Disseminations, Demo, Exhibitions
12:00 - 13:00	<b>Keynote 2 (DSD), ROOM 1</b>			
13:00 - 14:30	<b>Lunch Break</b>			
14:30 - 16:00	<b>Session 4: (SPPI)</b> <b>Session chair: Dietmar Winkler</b> 2640 Helena Holmström Olsson and Jan Bosch All data is equal or is some data more equal? On strategic data collection and use in the embedded systems domain FULL	<b>Session 5: (DAIDE)</b> <b>Session chair: Jan Bosch</b> 606 Federica Filippini, Boris Lublinsky, Maximilien de Bayser and Danilo Ardagna Performance Models for Distributed Deep Learning Training Jobs on Ray SHORT	<b>Session 6: (SM-STREAM)</b> <b>Session chair: Gemma Catolino</b> 2804 Hannes Salin Thrifty Guardians: Overcoming the Challenges of Establishing Security Champions on a Limited Budget FULL	Disseminations, Demo, Exhibitions
16:00 - 16:30	<b>Coffee Break</b>			
19:30	<b>Social life, Welcome Cocktails</b>			

<https://dsd-seea2023.com/program/>

SEEA 2023 Conference Program, Durres, Albania, 06-08 September, 2023 Ver. 1.0



Thursday, 7th September 2023				
Time	ROOM 2	ROOM 4	ROOM 6	ROOM C
09:00 -10:00	<b>Keynote Nicole Novielli (SEAA). Session Chair: Dario Di Nucci, ROOM 1</b>			
10:00 - 10:30	<b>Coffee Break</b>			
10:30 - 12:00	<b>Session 7: (MDEML)</b> <b>Session chair: Alessio Bucaioni</b> 2941 Thomas Goldschmidt, Sean Brady and Nandan Rao A Holistic Approach to Information Modeling in the Tax Compliance Domain FULL	<b>Session 8: (DAIDE)</b> <b>Session chair: Jan Bosch</b> 8516 Tim Yarally, Luís Cruz, Daniel Feitosa, June Sallou and Arie van Deursen Batching for Green AI - An Exploratory Study on Inference FULL 6715 Milad Abdullah, Lubomir Bulej, Tomáš Bureš, Vojtěch Horký and Petr Tůma Early Stopping of Non-productive Performance Testing Experiments Using Measurement Mutations FULL	<b>Session 9: (SM-STREAM)</b> <b>Session chair: Carmine Gravino</b> 6207 Steve Counsell, Emily Winter, Tracy Hall and Vesna Nowack The Paradox of Analysing Gender-Based Data SHORT 5035 Steve Counsell, Stephen Swift and Amjed Tahir An "80-20" Approach to the Study of Coupling SHORT	Disseminations, Demo, Exhibitions
12:00 - 13:00	<b>Keynote 4 (DSD), ROOM 1</b>			
13:00 - 14:30	<b>Lunch Break</b>			
14:30 - 21.00	<b>Social Event (Excursion)</b>			
21:00	<b>Social Event Galla Dinner</b>			



Friday, 8th September 2023				
Time	ROOM 2	ROOM 4	ROOM 6	ROOM C
9:00 - 10:00	<b>Keynote Ludovik Caba (SEAA), Session Chair: Valentina Lenarduzzi</b>			
10:00 - 10:30	<b>Coffee Break</b>			
10:30 - 12:00	<p><b>Session 10: (ECT)</b> <b>Session chair: Shaukat Ali</b></p> <p>8263 Dario Di Dario, Umberto Bilotti, Maurizio Sibillo, Carmine Gravino and Fabio Palomba Toward a Secure Educational Metaverse: A Tale of Blockchain Design for Educational Environments FULL</p> <p>2222 Xabier Iturbe, Xabier Alberdi, Ander Aramburu, Armando Astarloa, Iñigo Barandiaran, Koldo Basterretxea, Angélica Dávila, Asier Erramuzpe, Iñigo Gabilondo, Garikoltz Lerma-Usabiaga, Lisandro Monsalve, Libe Mori, Javier Navaridas, Jose Antonio Pascual, Joaquin Piriz, Serafim Rodrigues, Oscar Seijo, Ander Soraluze, Edgar Soria, Ignacio Torres, Nerea Uriarte and Juan Luis Valerdi SiliconBurmuin: A Horizon Europe propelled Neurocomputing Initiative in the Basque Country EUP FULL</p> <p>6158 Silverio Martínez-Fernández, Xavier Franch and Francisco Durán López Towards green AI-based software systems: an architecture-centric approach (GAISSA) EUP FULL</p>	<p><b>WIP (Works in Progress Oral Session)</b></p> <p>DSD2023 and SEAA2023, WIP Session, On-line Session and Projects,</p>	<p><b>Session 12: (SMSE-DAIDE)</b> <b>Session chair: Steve Counsell and Torvald Mårtensson</b></p> <p>5149 Sirisha Bai Govardhan Rao, Julieth Patricia Castellanos Ardila and Sasikumar Punnekkat A Systematic Review of <math>\beta</math>-factor Models in the Quantification of Common Cause Failures FULL</p> <p>5647 Ksenia Vasylieva, Marco Kuhrmann, Meenu Kadavilveetil Xavier and Jill Klünder How Agile Are you? Discussing Maturity Levels of Agile Maturity Models FULL</p> <p>9926 Wander Siemers, June Sallou and Luis Cruz The Two Faces of AI in Green Mobile Computing: A Literature Review FULL</p> <p>1997 Gabriele De Vito, Fabio Palomba, Carmine Gravino, Sergio Di Martino and Filomena Ferrucci ECHO: An Approach to Enhance Use Case Quality Exploiting Large Language Models FULL</p> <p>8190 Valerio Bellandi, Samira Maghool and Stefano Siccardi An NLP-based statistical reporting methodology applied to court decisions SHORT</p>	<p>Disseminations, Demo, Exhibitions</p>
12:00 - 13:30	<b>Lunch Break</b>			
13:30 - 15:00	<p><b>Session 13: (SMSE)</b> <b>Session chair: Stephen Swift</b></p> <p>8868 Stefan Huber, Tobias Lorey and Michael Felderer Techniques for Improving the Energy Efficiency of Mobile Apps: A Taxonomy and Systematic Literature Review FULL</p> <p>8931 Adriano Vogel, Sören Henning, Otmar Ertl and Rick Rabiser A systematic mapping of performance in distributed stream processing systems FULL</p> <p>6233 Maliha Tasnim, Maruf Rayhan, Zheyang Zhang and Timo Poranen A Systematic Literature Review on Requirements Engineering Practices and Challenges in Open-Source Projects FULL</p>	<p><b>Session 14: (ECT)</b> <b>Session chair: Davide Taibi</b></p> <p>2767 João Francisco Lino Daniel, Thatiane de Oliveira Rosa, Alfredo Goldman and Eduardo Guerra Towards the Detection of Microservice Patterns Based on Metrics FULL</p> <p>5249 Somnath Mazumdar and Thomas Dreilholz Towards A Data Privacy-Aware Execution Zone Creation in Cloud/Fog Platform FULL</p> <p>7997 Santiago del Rey, Silverio Martínez-Fernández, Luis Cruz and Xavier Franch Do DL models and training environments have an impact on energy consumption? FULL</p>	<p><b>Session 15: (CPS)</b> <b>Session chair: Verena Klob</b></p> <p>6888 Ali Nouri, Christian Berger and Fredrik Törner On STPA for Distributed Development of Safe Autonomous Driving: An Interview Study FULL</p> <p>7207 Milko Monecke, Varun Gowtham and Thomas Magedanz A Distributed Task Scheduling Framework for Edge Computing and Cyber-Physical Systems FULL</p> <p>7665 Wanqi Zhao, Johannes Mey, René Schöne, Sebastian Götz and Uwe Assmann RobotRAGs: A Reference Attribute Grammar-based Integration Approach for Robotic Assembly Lines FULL</p> <p>4988 Marcel Weller, Sandro Speth, Georg Reißner and Steffen Becker The Mechatroni UML Code Generator for Distributed Cyber-Physical Systems SHORT</p>	<p>Disseminations, Demo, Exhibitions</p>
15:00-15:15	<b>Coffee Break</b>			
15:15 - 16:45	<p>DSD2023 and SEAA2023, WIP Session, On-line Session and Projects,</p>			<p>Disseminations, Demo, Exhibitions</p>
16:45	<b>Closing Session (Organizers, PC Chairs)</b>			

**NOTES:**  
**Duration of presentation**  
**LONG:** 20min, 15min +5min (discussion)  
**SHORT:** 15 min, 10min +5min (discussion)  
**NUMBER OF SLIDES:** 1 per min  
**ROOM 1-6: Working Rooms**  
**ROOM C: Common Room**  
**FREE SLOTS**