<table>
<thead>
<tr>
<th>Time</th>
<th>Room 2</th>
<th>Room 4</th>
<th>Room 6</th>
<th>Room C</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30 - 09:00</td>
<td></td>
<td></td>
<td></td>
<td>Welcome Session (Organizers, PC Chairs), ROOM 1</td>
</tr>
<tr>
<td>09:00 - 10:00</td>
<td></td>
<td></td>
<td></td>
<td>Disseminations, Demo, Exibitions</td>
</tr>
<tr>
<td>10:30 - 12:00</td>
<td></td>
<td></td>
<td>Session 1: (SPPI)</td>
<td>Dietmar Winkler</td>
</tr>
<tr>
<td>12:00 - 13:00</td>
<td></td>
<td></td>
<td>Session 2: (DAIDE)</td>
<td>Helena Holmström-Olsson and Jan Bosch</td>
</tr>
<tr>
<td>13:00 - 14:30</td>
<td></td>
<td></td>
<td>Session 3: (DAIDE)</td>
<td>Stefan Fischer and Rudolf Ramler</td>
</tr>
<tr>
<td>14:30 - 16:00</td>
<td></td>
<td></td>
<td>Session 4: (SPPI)</td>
<td>3037 Søren Hjermind, Jan Bos and Helena Holmström-Olsson</td>
</tr>
<tr>
<td>16:00 - 17:30</td>
<td></td>
<td></td>
<td>Session 5: (SM-STREAM)</td>
<td>Giampaolo Giordano, Giulia Sellitto, Aurelio Sepe, Fabio Palomba and Flomena Ferrucci</td>
</tr>
<tr>
<td>11:30 - 12:30</td>
<td></td>
<td></td>
<td>Session 6: (SM-STREAM)</td>
<td>Onur Demirors and Konstantinos Georgiou</td>
</tr>
<tr>
<td>12:30 - 13:00</td>
<td></td>
<td></td>
<td>Keynote 1 (DSD), ROOM 1</td>
<td></td>
</tr>
<tr>
<td>13:00 - 14:30</td>
<td></td>
<td></td>
<td>Keynote 2 (DSD), ROOM 1</td>
<td></td>
</tr>
<tr>
<td>14:30 - 16:00</td>
<td></td>
<td></td>
<td>Keynote 3 (DSD), ROOM 1</td>
<td></td>
</tr>
</tbody>
</table>

**Programme**

**Wednesday, 6th September 2023**

1. **Welcome Session (Organizers, PC Chairs), ROOM 1**
   - Keynote 1 (DSD), ROOM 1
   - Keynote 2 (DSD), ROOM 1
   - Keynote 3 (DSD), ROOM 1

2. **Disseminations, Demo, Exibitions**
   - Room 2
   - Room 4
   - Room 6
   - Room C

3. **Welcome Session (Organizers, PC Chairs), ROOM 1**
   - Keynote 1 (DSD), ROOM 1
   - Keynote 2 (DSD), ROOM 1
   - Keynote 3 (DSD), ROOM 1

4. **Coffee Break**

5. **Lunch Break**

6. **Session 1: (SPPI)**
   - Dietmar Winkler
   - Session chair: Dietmar Winkler

7. **Session 2: (DAIDE)**
   - Helena Holmström-Olsson and Jan Bosch
   - Session chair: Helena Holmström-Olsson and Jan Bosch

8. **Session 3: (DAIDE)**
   - Stefan Fischer and Rudolf Ramler
   - Towards Automatic Generation of Amplified Regression Test Oracles FULL

9. **Session 4: (SPPI)**
   - Session chair: Helena Holmström-Olsson and Jan Bosch
   - Jan Bos and Helena Holmström-Olsson
   - Towards an integration management maturity FULL

10. **Session 5: (SM-STREAM)**
    - Giampaolo Giordano, Giulia Sellitto, Aurelio Sepe, Fabio Palomba and Flomena Ferrucci
    - The Yin and Yang of Software Quality: On the Relationship between Design Patterns and Code Smells FULL

11. **Session 6: (SM-STREAM)**
    - Onur Demirors and Konstantinos Georgiou
    - Establishing Security Champions on a Limited Budget FULL

12. **Coffee Break**

13. **Social life, Welcome Cocktails**

---

**Sustainability and Environmentally Friendly Choices**

- Reduce paper usage by utilizing digital materials.
- Encourage attendees to use public transport or carpooling.
- Use sustainable and eco-friendly products for the event.

---

**Contact Information**

For any queries, please contact info@dsd-seaa2023.com

---

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

https://dsd-seaa2023.com/program/
### Thursday, 7th September 2023

<table>
<thead>
<tr>
<th>Time</th>
<th>ROOM 2</th>
<th>ROOM 4</th>
<th>ROOM 6</th>
<th>ROOM C</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 - 10:00</td>
<td>ramework 1: (MDEML)</td>
<td>Session chair: Alessio Bucaioni</td>
<td>Disseminations, Demo, Exhibitions</td>
<td></td>
</tr>
<tr>
<td>10:00 - 11:30</td>
<td>10:00 - 10:30</td>
<td>Session 8: (DAIDE)</td>
<td>Session chair: Jan Bosch</td>
<td></td>
</tr>
<tr>
<td>11:30 - 12:00</td>
<td>12:00 - 13:00</td>
<td>Session 9: (SM-STREAM)</td>
<td>Session chair: Carmine Gravino</td>
<td></td>
</tr>
<tr>
<td>12:00 - 13:00</td>
<td>13:00 - 14:30</td>
<td>Keynote 4 (DSD), ROOM 1</td>
<td>Lunch Break</td>
<td></td>
</tr>
<tr>
<td>14:30 - 21:00</td>
<td>21:00</td>
<td>Social Event (Excursion)</td>
<td>Social Event Gala Dinner</td>
<td></td>
</tr>
</tbody>
</table>

**Time**
- 09:00 - 10:00
- 10:00 - 11:30
- 11:30 - 12:00
- 12:00 - 13:00
- 13:00 - 14:30
- 14:30 - 21:00
- 21:00

**Session 1: (MDEML)**
- Session chair: Alessio Bucaioni
- 9516 Tim Varally, Luis Cruz, Daniel Feitosa, John Saffou and Arie van Deursen: Batch for Green AI - An Exploratory Study on Inference

**Session 2: (DAIDE)**
- Session chair: Jan Bosch
- 8516 Tim Varally, Luis Cruz, Daniel Feitosa, John Saffou and Arie van Deursen: Batch for Green AI - An Exploratory Study on Inference **FULL**
- 6035 Steve Counsell, Stephen Swift and Amjad Tahir: An "80-20" Approach to the Study of Coupling **SHORT**

**Session 3: (SM-STREAM)**
- Session chair: Carmine Gravino
- 8516 Tim Varally, Luis Cruz, Daniel Feitosa, John Saffou and Arie van Deursen: Batch for Green AI - An Exploratory Study on Inference
- 5035 Steve Counsell, Stephen Swift and Amjad Tahir: An "80-20" Approach to the Study of Coupling **SHORT**
- 5690 Karl Kegel and Sebastian Gütt: Towards Variability-Aware Instance Handling for Model Evolution at Runtime **FULL**
- 9465 Khulja Shahiri, Domenic Bubel and Andreas Metzger: Variance of ML-based software fault predictors: are we really improving fault prediction? **FULL**

**Disseminations, Demo, Exhibitions**
- 6207 Steve Counsell, Emily Winter, Tracy Hall and Veona Nowack: The Paradox of Analyzing Gender-Based Data **SHORT**
- 6207 Steve Counsell, Emily Winter, Tracy Hall and Veona Nowack: The Paradox of Analyzing Gender-Based Data **SHORT**

**Keynote 4 (DSD), ROOM 1**
- Keynote Nicole Novielli (SEAA), Session Chair: Dario Di Nucci
- https://dsd-seaa2023.com/program/
- SEAA 2023 Conference Program, Durres, Albania, 06-08 September, 2023 Ver. 1.0
## Session 11: (SMSE-DAIDE)
### Session chair: Steve Counsell and Torvald Mårtensson
**WiP (Works in Progress Oral Session)**

- **Session 12: (SMSE-DAIDE)**
  - Session chair: Steve Counsell and Torvald Mårtensson
  - Disseminations, Demo, Exhibitions

### Works in Progress

<table>
<thead>
<tr>
<th>Paper ID</th>
<th>Authors</th>
<th>Title</th>
<th>Fullness</th>
</tr>
</thead>
<tbody>
<tr>
<td>8263</td>
<td>Dario Di Dario, Umberto Glotter, Maurizio Stilico, Carmine Gravino and Fabio Palomba</td>
<td>Towards a Secure Educational Metaverse: A Tale of Blockchain Design for Educational Environments</td>
<td>Full</td>
</tr>
<tr>
<td>5149</td>
<td>Sirisha Bai Govardhan Rao, Julieth Patricia Castellanos Ardila and Sasikumar Punnekkat</td>
<td>A Systematic Review of β-factor Models in the Quantification of Common Cause Failures</td>
<td>Full</td>
</tr>
</tbody>
</table>

### Session 13: (SMSE)
### Session 14: (ECT)
### Session 15: (CPS)
### Session chair: Verena Klös

### Lunch Break

<table>
<thead>
<tr>
<th>Paper ID</th>
<th>Authors</th>
<th>Title</th>
<th>Fullness</th>
</tr>
</thead>
<tbody>
<tr>
<td>8868</td>
<td>Stefan Huber, Tobias Lorey and Michael Felderer</td>
<td>Techniques for Improving the Energy Efficiency of Mobile Apps: A Taxonomy and Systematic Literature Review (Full)</td>
<td>Full</td>
</tr>
<tr>
<td>2767</td>
<td>João Francisco Lino Daniel, Thatiane de Oliveira Rosa, Alfredo Goldman and Eduardo Guerra</td>
<td>Towards the Detection of Microservice Patterns Based on Metrics</td>
<td>Full</td>
</tr>
<tr>
<td>6888</td>
<td>Ali Nouri, Christian Berger and Fredrik Törner</td>
<td>On STPA for Distributed Development of Safe Autonomous Driving: An Interview Study (Full)</td>
<td>Full</td>
</tr>
<tr>
<td>8931</td>
<td>Adriano Vogel, Sören Henning, Ossar Efil and Kib Rabeuwer</td>
<td>A Systematic Literature Review on Requirements Engineering Practices and Challenges in Open-Source Projects (Full)</td>
<td>Full</td>
</tr>
<tr>
<td>7665</td>
<td>Wanqi Zhao, Johannes Mey, René Schöne, Sebastian Goda and Ulrich Assmann</td>
<td>RobotRAGs: A Reference Attribute Grammar-based Integration Approach for Robotic Assembly Lines (Full)</td>
<td>Full</td>
</tr>
<tr>
<td>7997</td>
<td>Santiago del Rey, Silverio Martinez-Fernandez, Luís Cruz and Xavi Franch</td>
<td>Do DL models and training environments have an impact on energy consumption? (Full)</td>
<td>Full</td>
</tr>
</tbody>
</table>

### NOTES:
- **Duration of presentation:**
  - LONG: 15 min, 10 min + 5 min (discussion)
  - SHORT: 10 min, 5 min + 5 min (discussion)
- **Number of Slides:** 1 per min
- **Room 1-6:** Working Rooms
- **Room C:** Common Room
- **FREE SLOTS:**

### Coffee Break

### Closing Session (Organizers, PC Chairs)

---

**Friday, 8th September 2023**

**Keynote Ludovik Coba (SEAA), Session Chair: Valentina Lenarduzzi**

**Room 1:**
- Session 10: (ECT)
  - Session chair: Shaukat Ali
  - WiP (Works in Progress Oral Session)

**Room 2:**
- Session 11: (SMSE-DAIDE)
  - Session chair: Steve Counsell and Torvald Mårtensson
  - Disseminations, Demo, Exhibitions

**Room 4:**
- Session 12: (SMSE-DAIDE)
  - Session chair: Steve Counsell and Torvald Mårtensson
  - Disseminations, Demo, Exhibitions

**Room 6:**
- Session 13: (SMSE)
- Session 14: (ECT)
- Session 15: (CPS)
  - Session chair: Verena Klös

**Room C:**
- FREE SLOTS

---

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

---

https://dsd-seaa2023.com/program/

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