

| May 17 <sup>th</sup><br>Monday | May 18 <sup>th</sup><br>Tuesday   | May 19 <sup>th</sup><br>Wednesday  | May 20 <sup>th</sup><br>Thursday  | May 21 <sup>st</sup><br>Friday |
|--------------------------------|---|--|---|--------------------------------|
|                                | <b>FormaliSE</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>   |  |   |                                |
|                                | <b>MSR</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION (ROOM 1) →</a><br><a href="#">JOIN SESSION (ROOM 2) →</a> |  | <b>AST</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>   |                                |
|                                | <b>MobileSoft</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>  |  | <b>CHASE</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION (CHASE ROOM) →</a><br><a href="#">JOIN SESSION (CHASE COMMUNITY ROOM) →</a> |                                |
|                                |   | <b>ICGSE/ICSSP</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>  |   |                                |
|                                |   | <b>ICPC</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION (MAIN ROOM) →</a><br><a href="#">JOIN SESSION (SOCIAL ROOM) →</a> |   |                                |
|                                |   | <b>SEAMS</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>  |   |                                |
|                                |   |  | <b>TechDebt</b><br><a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>  |                                |

Co-located events are independent conferences and symposia that have chosen to be part of the ICSE conference week. Each event focuses on a special topic within software engineering.

| Acronym            | Full Name  | Date                                    | Links   |
|--------------------|--|---|---|
| <b>AST</b>         | 2nd ACM/IEEE International Conference on Automation of Software Test   | May 20 <sup>th</sup> – 21 <sup>st</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>   |
| <b>CHASE</b>       | 14th International Conference on Cooperative and Human Aspects of Software Engineering   | May 20 <sup>th</sup> – 21 <sup>st</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a><br><a href="#">JOIN SESSION (CHASE COMMUNITY ROOM) →</a>    |
| <b>FormaliSE</b>   | 9th International Conference on Formal Methods in Software Engineering   | May 18 <sup>th</sup> – 21 <sup>st</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>   |
| <b>ICPC</b>        | 29th IEEE/ACM International Conference on Program Comprehension  | May 18 <sup>th</sup> – 21 <sup>th</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION → (MAIN ROOM)</a><br><a href="#">JOIN SESSION → (SOCIAL ROOM)</a> |
| <b>ICSSP/ICGSE</b> | Joint 15th International Conference on Software and System Processes (ICSSP) and 16th ACM/IEEE International Conference on Global Software Engineering (ICGSE) | May 18 <sup>th</sup> – 19 <sup>th</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>   |
| <b>MobileSoft</b>  | 8th IEEE/ACM International Conference on Mobile Software Engineering and Systems   | May 17 <sup>th</sup> – 19 <sup>th</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>   |
| <b>MSR</b>         | The 2021 Mining Software Repositories Conference   | May 17 <sup>th</sup> – 19 <sup>th</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION → (ROOM 1)</a><br><a href="#">JOIN SESSION → (ROOM 2)</a>         |
| <b>SEAMS</b>       | 16th Symposium on Software Engineering for Adaptive and Self-Managing Systems 2021   | May 18 <sup>th</sup> – 21 <sup>st</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>   |
| <b>TechDebt</b>    | International Conference on Technical Debt 2021  | May 19 <sup>th</sup> – 21 <sup>st</sup> | <a href="#">EVENT WEBPAGE →</a><br><a href="#">JOIN SESSION →</a>   |

Becoming a new faculty member at a university or college is challenging due to the number of roles a faculty member plays and the lack of preparation for these roles. Few new faculty are prepared for the diversity of types of work they will be asked to undertake. Moreover, their doctoral training most likely has not prepared them for much beyond how to conduct research themselves and, perhaps, how to teach topics that are close to their research area. The goals of the ICSE 2021 New Faculty Symposium (NFS) are to help new Software Engineering faculty members launch a successful career and manage the challenges while feeling joy in their life as a faculty member. NFS will be held on May 19 and May 20 from 17:00 to 20:00 CEST.

The 2021 offering of ICSE's NFS will build on the successful formula of prior symposia by connecting prospective and junior faculty with experienced faculty members. The symposium will provide plenty of time for informal interaction and will facilitate conversations with a series of short talks covering a broad range of issues faced by faculty members as well as interactive sessions.

| TIME CEST           | Wednesday, May 19 <sup>th</sup>   |               |
|---------------------|---|---------------|
|                     | <b>NEW FACULTY SYMPOSIUM</b>  | 16:00 – 17:15 |
| 16:00<br>–<br>17:15 | <b>Welcome</b><br>Marsha Chechik, Laurie Williams   | 16:00 – 16:05 |
|                     | <b>Challenges of being a New Faculty member</b><br>Marsha Chechik, Laurie Williams                      | 16:05 – 16:45 |
|                     | <b>Funding</b><br>Sol Greenspan, Liliana Pasquale, Zhi Jin, John Grundy                                 | 16:45 – 17:15 |
|                     | <b>BREAK 10'</b>  | 17:15 – 17:25 |
| 17:25<br>–<br>19:15 | <b>Research</b><br>Alexander Serebrenik   | 17:25 – 18:05 |
|                     | <b>Multiculturalism, family, supporting students where they are at</b><br><i>Participants fish bowl</i> | 18:05 – 18:45 |
|                     | <b>Deep work / Productivity</b><br>Laurie Williams  | 18:45 – 19:15 |

| TIME<br>CEST        | Thursday, May 20 <sup>th</sup>   |               |
|---------------------|--|---------------|
|                     | NEW FACULTY SYMPOSIUM  | 16:00 – 17:25 |
| 16:00<br>–<br>17:25 | <b>Star</b>  | 16:00 – 16:05 |
|                     | <b>Mental health / self care</b><br>Birgit Penzenstadler                     | 16:05 – 16:45 |
|                     | <b>Digital networking and community</b><br>David C. Shepherd, Daniela Damian | 16:45 – 17:25 |
|                     | BREAK 10'  | 17:25 – 17:35 |
| 17:35<br>–<br>18:45 | <b>Creativity</b><br>Prem Devanbu  | 17:35 – 18:15 |
|                     | <b>Open Q&amp;A</b><br>Marsha Chechik, Laurie Williams                       | 18:15 – 18:45 |

The New Faculty Symposium is not held on Clowdr, but in an alternate platform. Please, contact New Faculty Symposium Organizers

The ICSE 2021 Doctoral Symposium is a one-day event to be held on May 21 and 24, 2021 in Madrid, Spain. The symposium provides doctoral students an opportunity to interact with their colleagues working on foundations, techniques, tools, and applications of software engineering.

The goals of the symposium are to:

- provide the participants independent and constructive feedback on their current research and future research directions;
- develop a supportive community of scholars and a spirit of collaborative research; and
- provide an opportunity for student participants to interact with established researchers and practitioners in the software engineering community.

| TIME<br>CEST        | Friday, May 21 <sup>st</sup>                        | (1/2)         |
|---------------------|---|---------------|
| 17:00<br>–<br>17:10 | WELCOME<br>Chairs: Sebastian Uchitel, Sira Vegas    | 17:00 – 17:10 |
|                     | GET TO KNOW YOUR PEERS 1<br>Chair: Betty H.C. Cheng | 17:10 – 18:10 |
| 17:10<br>–<br>18:10 | GET TO KNOW YOUR PEERS 2<br>Chair: Laura Dillon     | 17:10 – 18:10 |
|                     | GET TO KNOW YOUR PEERS 3<br>Chair: Ignacio Panach   | 17:10 – 18:10 |
| 18:10<br>–<br>18:25 | COFFEE WITH DS ATTENDEES                            | 18:10 – 18:25 |

| TIME<br>CEST        | Friday, May 21 <sup>st</sup> (2/2)  |  |
|---------------------|---|--|
| 18:25<br>–<br>19:55 | <b>EARLY PHD 1</b><br>Chair: Dalal Alrajeh<br>Advisors: Dalal Alrajeh, Joanne M. Atlee, Jane Cleland-Huang<br>18:25 – 19:55   |  |
|                     | <b>Unburdening onboarding in Software Product Lines</b><br>Raul Medeiros  | 18:25 – 18:55                                    |
|                     | <b>Extractive Multi Product-Line Engineering</b><br>Kamil Rosiak  | 18:55 – 19:25                                    |
|                     | <b>Group Recommendation Techniques for Feature Modeling and Configuration</b><br>Viet-Man Le  | 19:25 – 19:55                                    |
|                     | <b>EARLY PHD 2</b><br>Chair: Sira Vegas<br>Advisors: Elisabetta Di Nitto, Jocelyn Simmonds, Claes Wohlin<br>18:25 – 19:55   |  |
|                     | <b>A proposal to systematize introducing DevOps into the software development process</b><br>Luciano Aguiar Monteiro  | 18:25 – 18:55                                    |
|                     | <b>A Model using agile methodologies for defining metrics to be used by the Public Sector in Brazil to set remuneration for outsourced software development</b><br>Washington Almeida | 18:55 – 19:25                                    |
|                     | <b>Learning to Boost the Efficiency of Modern Code Review</b><br>Robert Heumüller   | 19:25 – 19:55                                    |
|                     | <b>EARLY PHD 3</b><br>Chair: Sebastian Uchitel<br>Advisors: Nazareno Aguirre, Sebastian Elbaum, David Rosenblum<br>18:25 – 19:55  |  |
|                     | <b>Towards a testing tool that learns to test</b><br>Olivia Rodriguez Valdes  | 18:25 – 18:55                                    |
|                     | <b>A functional paradigm for Capacity Planning of Cloud Computing Workloads</b><br>Carlos Diego Cavalcanti Pereira  | 18:55 – 19:25                                    |
|                     | <b>Interactive Graph Exploration for Comprehension of Static Analysis Results</b><br>Rafael Toledo  | 19:25 – 19:55                                    |
|                     | 19:55<br>–<br>20:10   | <b>COFFEE WITH DS ATTENDEES</b><br>19:55 – 20:10 |
| 20:10<br>–<br>20:55 | <b>PANEL</b><br>Chairs: Sira Vegas, Sebastian Uchitel<br>20:10 – 20:55  |  |
|                     | <b>Panelists:</b> Nazareno Aguirre, Dalal Alrajeh, Jane Cleland-Huang, Sebastian Elbaum   |  |

| TIME CEST     | Monday, May 24 <sup>th</sup>  |               |
|---------------|---|---------------|
| 17:00 – 17:05 | <b>WELCOME</b><br>Chairs: Sira Vegas, Sebastian Uchitel   | 17:00 – 17:05 |
|               | <b>LATE PHD 1</b><br>Chair: Sira Vegas<br>Advisors: Dalal Alrajeh, Jane Cleland-Huang, Laura Dillon, Rafael Prikladnicki, David Rosenblum | 17:05 – 18:35 |
| 17:05 – 18:35 | <b>Data Analytics Techniques and Tool for Model-Driven Engineering of Smart IoT Services</b><br>Armin Moin                                | 17:05 – 17:35 |
|               | <b>Please Don't Go - A Comprehensive Approach to Increase Women's Participation in Open Source Software</b><br>Bianca Trinkenreich        | 17:35 – 18:05 |
|               | <b>Speculative Analysis for Quality Assessment of Code Comments</b><br>Pooja Rani   | 18:05 – 18:35 |
| 18:35 – 18:50 | <b>COFFEE WITH DS ATTENDEES</b>   |               |
|               | <b>LATE PHD 2</b><br>Chair: Sebastian Uchitel<br>Advisors: Nazareno Aguirre, Tevfik Bultan, Betty H.C. Cheng                              | 18:50 – 20:20 |
| 18:50 – 20:20 | <b>Vulnerability Detection is Just the Beginning</b><br>Sarah Elder   | 18:50 – 19:20 |
|               | <b>High-Quality Automated Program Repair</b><br>Manish Motwani  | 19:20 – 19:50 |
|               | <b>On the Interplay Between Static and Dynamic Analysis for Mining Sandboxes</b><br>Francisco Costa                                       | 19:50 – 20:20 |
| 20:20 – 20:35 | <b>CLOSING</b><br>Chairs: Sira Vegas, Sebastian Uchitel   | 20:20 – 20:35 |

The Doctoral Symposium is not held on Clowdr, but in an alternate platform. To get access please contact Doctoral Symposium Organizers.



# Social events and Networking

| TIME<br>CEST        | Wednesday, May 19 <sup>th</sup>   |  |                 |
|---------------------|---|--|-----------------|
| 23:00<br>–<br>23:30 | NETWORKING  | MENTORING CIRCLE<br>Chair: Joanne M. Atlee | 23:00 – 23:30 → |
|                     | ICSE 2021 will run a series of mentoring circles each led by senior software engineering researcher. Every mentoring circle has limited capacity (up to 10 mentees). The conversation can touch on any subject, and address any challenge experienced by the mentees. |  |                 |

| TIME<br>CEST        | Friday, May 21 <sup>st</sup>  |                  |                 |
|---------------------|---|------------------|-----------------|
| 15:00<br>–<br>15:30 | NETWORKING  | MENTORING CIRCLE | 15:00 – 15:30 → |
|                     | ICSE 2021 will run a series of mentoring circles each led by senior software engineering researcher. Every mentoring circle has limited capacity (up to 10 mentees). The conversation can touch on any subject, and address any challenge experienced by the mentees. |                  |                 |