

International Research Software Engineering Research (IRSER) Community Meetup

16./17. January 2024

The aim of this community meetup is to bring together those whose research attention is directed towards RSE Research.

Our goal is to prepare the ground for an international in-person symposium on RSE Research co-located with RSE Con UK during 2-6 September 2024 in Newcastle.

Initiated by Les Carr, Wilhelm (Willi) Hasselbring, Simon Hettrick, Heather Packer



Research Software Engineering Themes



Source: Anna-Lena Lamprecht, University of Potsdam, Germany

Research Software Engineering Research
aims at understanding and improving how software is developed for research.

RSE Research, in short.

Topics from the call for presentations for our meetup:

- Research software artefacts;
- Research software engineering methods;
- The research and professional environment in which research software engineers act;
- Empirical research on RSE.

See also: [Felderer et al. 2023, Lamprecht et al. 2022]

Agenda

Tuesday, January 16th, 2024

14:00 h – 15:45 Session 1, Chair Les

Intro: RSE Research & The Aims of the Meetup
Wilhelm Hasselbring (Kiel University & University of Southampton):
Categorizing Research Software for RSE Research
Jeffrey Carver (University of Alabama):
Research Software Engineering: An Empirical Software Engineering Researcher's Perspective
Deekshitha, et al. (Netherlands eScience Center):
A Focus Area Maturity Model for Research Software Project Management

Break 15 min

16:00 - 17:30 h Session 2, Chair Heather

Les Carr, Heather Packer (University of Southampton):
Overviews of the Github Research Software Ecology
Anna-Lena Lamprecht, et al. (University of Potsdam):
Analysing research software repositories to understand better the current state of the practice in research software development
Florian Sihler (University of Ulm):
Statically Analyzing the Dataflow of R Programs With flowR

Wednesday, January 17th, 2024

14:00 h - 16:00 Session 3, Chair Willi

Simon Hettrick (University of Southampton):
Changing how institutions value software
Fotis E. Psomopoulos (INAB - Institute of Applied Biosciences, Greece):
EOSC EVERSE: Paving the way towards a European Virtual Institute for Research Software Excellence
Jeremy Cohen (Imperial College London):
Bridging the gap: Structures for efficiently supporting research software roles and careers at academic institutions
Martin Semmann, Katrin Schöning-Stierand, Christian Biemann (Universität Hamburg):
House of Computing and Data Science at Universität Hamburg – Setting the stage for RSE

Break 15mins

16:15-17:15 Session 4, Chair Simon

Discussion and planning the in-person symposium colocated with RSE Con UK during 2-6 September 2024 in Newcastle.

International Research Software Engineering Research (IRSER) Symposium

- In-Person Event
- Co-located with RSE Con UK during 2-6 September 2024 in Newcastle (UK).
- Follow:
<https://society-rse.org/rse-conference-2024/>
- Volunteers
 - If you're interested to shape the symposium, send an email to IRSER-community@googlegroups.com



References

- [Felderer et al. 2023] Felderer, M., Goedicke, M., Grunske, L., Hasselbring, W., Lamprecht, A. L. und Rumpe, B.: “Toward Research Software Engineering Research”. 2023. DOI <https://doi.org/10.5281/ZENODO.8020525>.
- [Lamprecht et al. 2022] A.-L. Lamprecht et al.: “What Do We (Not) Know About Research Software Engineering?.” In: Journal of Open Research Software, 10(1). 2022. DOI <https://doi.org/10.5334/jors.384>