# **2025 IEEE/ACM 18th International Conference on Cooperative and Human Aspects** of Software Engineering (CHASE 2025)

Ottawa, Ontario, Canada 27-28 April 2025



**IEEE Catalog Number: CFP2521G-POD ISBN**:

979-8-3315-0253-9

## Copyright © 2025 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

\*\*\* This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP2521G-POD

 ISBN (Print-On-Demand):
 979-8-3315-0253-9

 ISBN (Online):
 979-8-3315-3871-2

ISSN: 2574-1780

### **Additional Copies of This Publication Are Available From:**

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400

Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



# 2025 IEEE/ACM 18th International Conference on Cooperative and Human Aspects of Software Engineering (CHASE) CHASE 2025

### **Table of Contents**

Organizing CommitteeProgram Committee	rogram Co-Chairs ix xi xii xiv
Developer Experience & Sof	tware Engineering Workforce
Exit the Code: A Model for Understandin Developers	mpina Grande), Ricardo Duarte
	en Returning to Software Engineering Research after
The Developer Experience of LGBTQIA+ Edvaldo R. Wassouf (UFMS, Brazil), Dê Gama (UFPE, Brazil), and Awdren Font	
Blockchain Developer Experience: A Mu Pamella Soares (State University of Cear Araújo (Federal University of Cariri, Bra (Brunel University, United Kingdom), R University, United Kingdom), Raphael S Ceara, Brazil), and Jerffeson Souza (State Brazil)	azil), Giuseppe Destefanis Lumyana Neykova (Brunel Garaiva (State University of

Equity, Diversity, and Inclusion (EDI) in Software Engineering
Affirmative Hackathon for Software Developers with Disabilities: An Industry Initiative
Creative Problem-Solving: A Study with Blind and Low Vision Software Professionals
Inequity in Software Engineering: Looks that Matter
Human Aspects and Machine Learning
Human and Machine: How Software Engineers Perceive and Engage with AI-Assisted Code Reviews Compared to Their Peers
Human-Machine Teaming and Team Effectiveness in AI Tools for Software Engineering
Will You Trust Me More Than ChatGPT? Evaluating LLM-Generated Code Feedback for Mock Technical Interviews
Great Power Brings Great Responsibility: Personalizing Conversational AI for Diverse Problem-Solvers
Software Development Methodologies & Agile Practices
Towards a Taxonomy for Autonomy in Large-Scale Agile Software Development

The Role of the Retrospective Meetings in Detecting, Refactoring and Monitoring Community  Smells: A Qualitative Study
Tiago Massoni (Federal University of Campina Grande, Brazil), Camila Sarmento (Federal University of Campina Grande, Brazil), Rayana Rocha (Federal University of Campina Grande, Brazil), and Danielly Gualberto (Federal University of Campina Grande, Brazil)
Exploring Retrospective Meeting Practices and the Use of Data in Agile Teams
Hybrid Work in Agile Software Development: Recurring Meetings
Bias, Ethics, Privacy and Accountability in Software Engineering
Irresponsibility Killed the Cat: Software Accountability Concerns
Towards Debiasing Code Review Support
Unpacking Organizational Change in AI Transformations of Software Engineering
Advancing Sustainable Communities in Scientific OSS: A Replication Study with Astropy
The Good, the Bad, and the (Un)Usable: A Rapid Literature Review on Privacy as Code
Collaboration and Knowledge Sharing
How Programmers Interact with Multimodal Software Documentation

Matthew Gaughan (Northwestern University, USA), Kaylea Champion (University of Washington, USA), Sohyeon Hwang (Princeton University, USA), and Aaron Shaw (Northwestern University, USA)	ent 191
The Multifaceted Nature of Mentoring in OSS: Strategies, Qualities, and Ideal Outcomes  Zixuan Feng (Oregon State University, USA), Igor Steinmacher (Northern  Arizona University, USA), Marco Gerosa (Northern Arizona University,  USA), Tyler Menezes (CodeDay, USA), Alexander Serebrenik (Eindhoven  University of Technology, Netherlands), Reed Milewicz (Sandia National  Laboratories, USA), and Anita Sarma (Oregon State University, USA)	203
In Defense of Collaboration Ecosystems: Addressing Critical Collaboration Elements and Cognitive Biases for Sustainability	215
How Do Developers Use Code Suggestions in Pull Request Reviews?  Abir Bouraffa (University of Hamburg, Germany), Yen Dieu Pham (University of Hamburg, Germany), and Walid Maalej (University of Hamburg, Germany)	227
Emotions & Psychological Aspects of Software Engineering	
A Cluster-Based Approach for Emotion Recognition in Software Development	239
(University of Bari, Italy), Alberta Motca-Schnabel (University of	239
(University of Bari, Italy), Alberta Motca-Schnabel (University of Bari, Italy), and Nicole Novielli (University of Bari, Italy)  Towards Emotionally Intelligent Software Engineers: Understanding Students'  Self-Perceptions After a Cooperative Learning Experience  Allysson Allex Araújo (Federal University of Cariri, Brazil), Marcos  Kalinowski (Pontifical Catholic University of Rio de Janeiro, Brazil),  Matheus Paixao (State University of Ceará, Brazil), and Daniel	248