

# **2018 IEEE Workshop on Mining and Analyzing Interaction Histories (MAINT 2018)**

**Campobasso, Italy  
20 March 2018**



**IEEE Catalog Number: CFP18P94-POD  
ISBN: 978-1-5386-6012-6**

**Copyright © 2018 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:	CFP18P94-POD
ISBN (Print-On-Demand):	978-1-5386-6012-6
ISBN (Online):	978-1-5386-6011-9

**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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

# Contents

## Frontmatter

Message from the Chairs . . . . .	iii
-----------------------------------	-----

## Keynote

<b>The Cost-Benefit Analysis of Usage Data in RobotStudio (Keynote)</b> David C. Shepherd — <i>ABB, USA</i> . . . . .	1
--	---

## Programmer Reactions, Privacy, and Code Changes

<b>CodeCAM: Capturing Programmer’s Reaction during Coding Session</b> Yusuke Shinyama, Yoshitaka Arahori, and Katsuhiko Gondow — <i>Tokyo Institute of Technology, Japan</i> . . . . .	2
<b>Privacy Preservation in Interaction History on Integrated Development Environments</b> Takayuki Omori — <i>Ritsumeikan University, Japan</i> . . . . .	7
<b>Integrating Source Code Search into Git Client for Effective Retrieving of Change History</b> Miwa Sasaki, Shinsuke Matsumoto, and Shinji Kusumoto — <i>Osaka University, Japan</i> . . . . .	12

<b>Author Index</b> . . . . .	17
-------------------------------	----