Welcome from the Chairs

Welcome to the first International Workshop on Mining and Analyzing Interaction Histories (MAINT 2018), co-located with SANER 2018, the 25th IEEE International Conference on Software Analysis, Evolution and Reengineering, held in Campobasso, Italy on the 20th of March 2018.

The MAINT workshop focuses on the interaction of developers with the IDE, which is composed of a large sequence of events that capture how developers peruse the IDEs functionalities to support the programming task at hand, including activities like reading, writing, and debugging source code. These interaction histories can be seen at different levels of abstraction: They can be high-level events related to the domain of code entities, like a refactoring or adding a method to a class, very basic events like typing the keyboard or moving the mouse to reach for a specific UI in the IDE, or even biometric data captured by wearable devices.

The MAINT workshop aims to provide an environment to present, discuss, and exchange research ideas that involve interaction histories from diverse aspects, including how to record them, how to efficiently persist them for further analyses, how to leverage them to support quantitative analyses on developers’ behavior, how to support offline and real-time analytics to provide feedback on what developers’ do during a programming sessions, etc.

MAINT features a Keynote by David C. Shepherd from ABB, a well known researcher who did seminal work on Interaction Histories. The workshop attracted three accepted tool showcase submissions, which focus on diverse aspects of interaction histories, including privacy, and change histories.

Campobasso, Italy Shinpei Hayashi and Andrea Mocci
March 2018 MAINT 2018 Organizers
Workshop Organizers

- Shinpei Hayashi (Tokyo Institute of Technology, Japan)
- Andrea Mocci (Università della Svizzera italiana, Switzerland)

Web Chair

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- Bonita Sharif (Youngstown State University, USA)

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