



– Call for Papers –

1st International Workshop on Technical Debt Analytics (TDA 2016)

held in conjunction with the 23rd Asia-Pacific Software Engineering Conference (APSEC 2016)

<https://tda2016.bitbucket.io/>

Motivation

An open challenge in Technical Debt (TD) research is to translate TD threats into economic opportunities, so development teams can make a strong case to the business side to invest on paying off TD by increasing Technical Wealth (TW). For this, a comprehensive TD/TW theory (e.g., standardizing ambiguous terms into a consistent vocabulary) is needed to formalize and consolidate relationships between the costs of technical debt and benefits of technical wealth. We aim to gather practitioners and researchers working in this area, to share experiences, concur on terminologies and evaluation guidelines.

The workshop will offer an arena to address the following goals:

1. *Calibrating* technical debt and technical wealth related terminologies and concepts that are used indistinctly and interchangeably in software engineering literature.
2. *Comparing, integrating, compiling* and even *reconciling* empirical work on the effects of technical debt/technical wealth from economic and organisational perspectives.

Topics

We are interested in all topics that help address the goals of the workshop outlined above, including but not limited to:

- frameworks/methodologies to compare/synthesize empirical studies on technical debt/technical wealth;
- moderator factors for empirical studies on TD/TW;
- frameworks for comparing approaches and tools for technical debt detection and technical wealth improvement;
- conceptual and technical differences between approaches for analyzing or managing technical debt/technical wealth;
- cross-comparison of terminologies used in the body of knowledge on technical debt/technical wealth;
- social debt-related factors (e.g., social or organisational shortcomings) affecting technical debt/technical wealth.

Submission guidelines

Prospective participants are invited to submit a position paper of 2-4 pages describing work or ideas related to the workshop topic. Key decision criteria for acceptance include relevance to the workshop's topics, originality and suitability for triggering discussion. All submissions will be reviewed by at least three members of the program committee. At least one author of each accepted paper has to register for the workshop. Paper submissions must be in English and conform to the IEEE format: http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Accepted papers will be published as part of the workshop proceedings at CEUR-WS, which is indexed by dblp. Submissions should be made using EasyChair:

<https://easychair.org/conferences/?conf=tda2016>

Workshop format

The TDA workshop is a one-day event with strong focus on discussion and interaction. The workshop starts with a keynote by Ewan Tempero. Next we'll have an interactive introduction session, which is followed by a session containing short presentations ("lightning talks"). The second half of this session is reserved for an open discussion on the focus area, not just about the papers that were presented. After the lightning talks, we will have working sessions that are built around interactive discussion techniques such as collaborative affinity diagramming and fishbowl panel discussions. These sessions are respectively aimed at building a common understanding of the challenges, discussing directions for potential solutions and establishing a common research agenda.

Important Dates

Submission deadline:	October 24, 2016 (AoE)
Author notifications:	November 9, 2016
Camera-ready copies:	November 19, 2016
Workshop date:	December 6, 2016

Contact Information

To contact the workshop organizers, please send an email to: tda2016@googlegroups.com

Organizing Committee

- Aiko Yamashita, CWI, the Netherlands & HiOA, Norway
- Leon Moonen, Simula Research Laboratory, Norway
- Tom Mens, University of Mons, Belgium
- Amjed Tahir, Massey University, New Zealand

Program Committee

- Alexander Chatzigeorgiou (University of Macedonia, Greece)
- Andrea Capiluppi (Brunel University, UK)
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