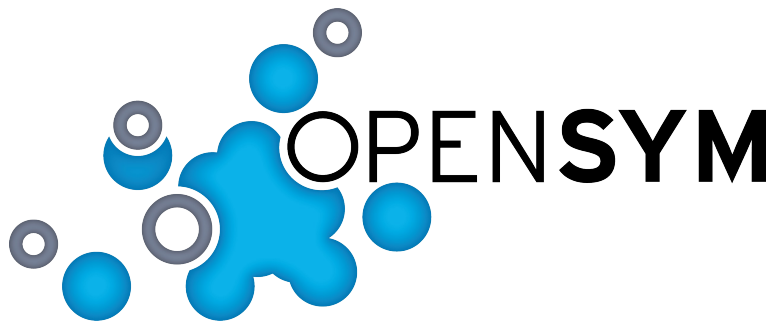


# Proceedings of the 11th International Symposium on Open Collaboration



**August 19-21, 2015**  
**San Francisco, California, U.S.A.**

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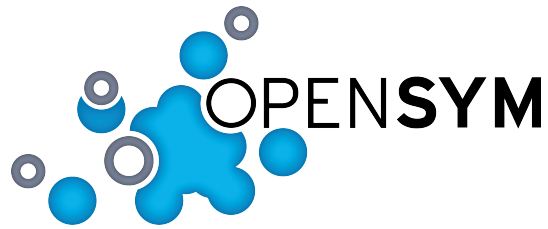
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## The 11th International Symposium on Open Collaboration

### Foreword

Welcome to the proceedings of OpenSym 2015, the 11th international symposium on open collaboration!

**Open collaboration** is collaboration that is egalitarian (everyone can join, no principled or artificial barriers to participation exist), meritocratic (decisions and status are merit-based rather than imposed) and self-organizing (processes adapt to people rather than people adapt to predefined processes).<sup>1</sup>

This year, OpenSym is comprised of the following peer-reviewed research tracks:

- free/libre/open source software
- IT-driven open innovation
- open data
- wikis and open collaboration
- Wikipedia

Each track had its own research track chair, frequently co-chairs. We received **53 research submissions** of which 23 were accepted for presentation at the conference and inclusion in this proceedings. This equals an **acceptance rate of 43%**. In more detail:

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1 See <http://opensym.org/about/definition> and <http://www.wikisym.org/2012/09/28/definition-of-open-collaboration/>

Name of research track	Number of submissions	Accepted and published	Acceptance rate
FLOSS track	15	6	40%
IT-driven Open Innovation	7	3	43%
Open Data	7	2	29%
Wikis and open collaboration	10	5	50%
Wikipedia	14	7	50%
<b>Total</b>	<b>53</b>	<b>23</b>	<b>43%</b>

We missed the open education research track this year and expect to have it back next year.

Conflicts of interests were handled according to current best practices. Chairs could not submit to their own tracks or their submissions were handled outside their respective track.

One submission this year made use of our offer to submit a full paper but have only an abstract be presented in the proceedings, avoiding a publication event. At the conference, a full presentation will be given. This option exists to support disciplines in which conference publications don't count. OpenSym wants to afford such disciplines the opportunity to gather feedback and share in our community while helping them reach their publishing goals.

In addition to these classic peer-reviewed research tracks, OpenSym also provides a keynotes, invited talks, a doctoral symposium, and a community track.

This year's four keynotes and invited talks were:

- **Richard P. Gabriel** on Artificial Sentiment: Using Machines to Manage Public Sentiment on Social Media
- **Robert J. Glushko** on Collaborative Authoring, Evolution, and Personalization for a "Transdisciplinary" Textbook
- **Peter Norvig** on Applying Machine Learning to Programs
- **Anthony I. Wasserman** on Barriers and Pathways to Successful Collaboration

The companion to this proceedings provides more information on these keynotes, the doctoral symposium, and the industry and community contributions.

We would like to thank our financial sponsors, the **Wikimedia Foundation** and **Google**, our in-kind sponsor for the doctoral symposium, **University of California Berkeley**, our ACM in-cooperation partners **SIGWEB** and **SIGSOFT**, and the fiscal sponsor of OpenSym, **The John Ernest Foundation**. Without their support and sponsorship, OpenSym 2015 would not have been possible!

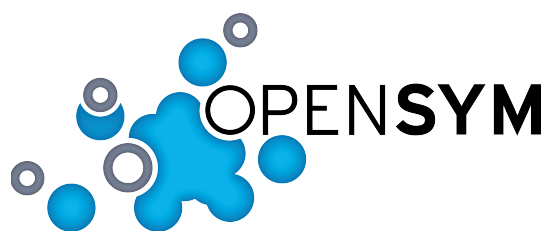
We hope that you will enjoy the work presented here and that it provides you with a glimpse of the diversity and energy of the actual event!

For the OpenSym 2015 conference committee

Dirk Riehle

General Chair, OpenSym 2015

Friedrich-Alexander University Erlangen-Nürnberg



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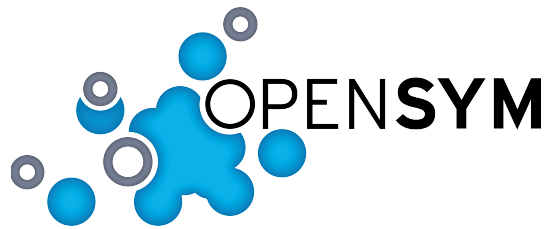
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**The 11th International Symposium on Open Collaboration**

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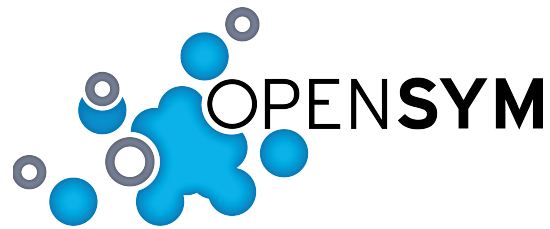
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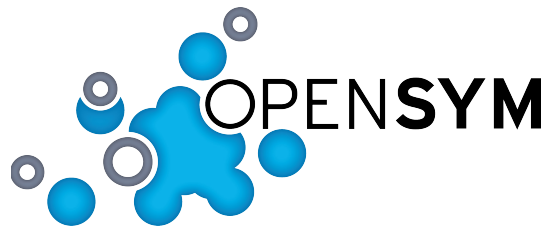
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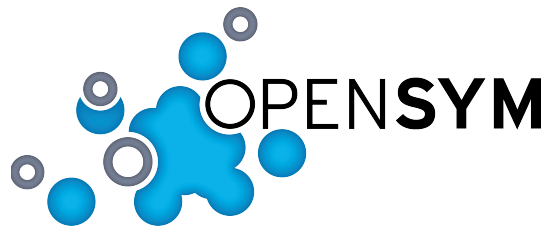
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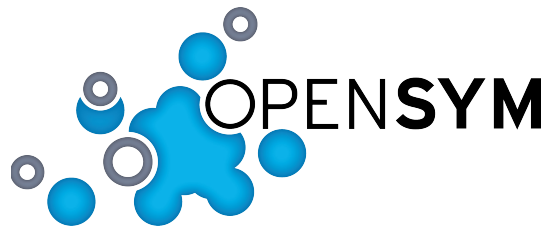
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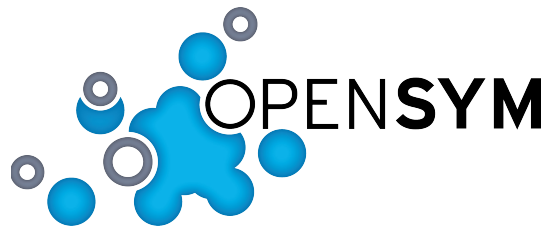
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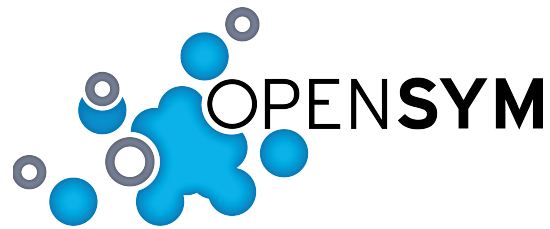
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