Proceedings of
the 16th International Symposium on
Open Collaboration

August 26–27, 2020
Online

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Gregorio Robles, Universidad Rey Juan Carlos, Spain

Program Chairs
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Xiaofeng Wang, Free University of Bolzen-Bolzano, Italy

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General Chair’s Foreword

Welcome to OpenSym 2020, the 16th International Symposium on Open Collaboration which is organised 26th and 27th August. Given the current global COVID-19 crisis, we are organizing this year’s OpenSym virtually and not in Madrid as it was originally planned.

Nonetheless, I am very pleased to host the premier conference on open collaboration research and practice and thereby promote stimulating discussions and dissemination of results in many areas of open collaboration, including open source, open data, open science, open education, wikis and related social media, Wikipedia, and IT-driven open innovation research.

Open collaboration 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 pre-defined processes)¹.

Many people have contributed greatly to make OpenSym 2020 happen and we owe them a great deal of thanks. We are in particular very pleased to provide an excellent keynote by Rishab A. Ghosh.

We are very grateful to all the researchers and practitioners that contributed to OpenSym 2020. The two program chairs, Xiaofeng Wang and Klaas-Jan Stol, the two New Ideas and Emerging Research track chairs, Valentina Lenarduzzi and Javier Arroyo-Gallardo, the two Journal First chairs, Björn Lundell and Jesús M. González Barahona, and the two Doctoral Consortium chairs, Andrea Capiluppi and Claudia Müller-Birn, have made considerable contributions in time and effort for the conference program, especially in this situation, since we had to move a traditional conference to a virtual environment.

Sincere thanks go to Simon Butler for his considerable efforts as proceedings chair, to Antonio Balderas for having the website and social media always up-to-date, and again to Jesús M. González Barahona for his commitment as organisation chair. A special thanks goes to Dirk Riehle for his support and encouragement! We also want to thank all members of the Program Committee, the external reviewers, and all participants that contributed to OpenSym 2020.

Finally, we are also very grateful for the financial support from LERO (The Irish Software Research Centre) and the Universidad Rey Juan Carlos.

Without the aforementioned valuable contributions, OpenSym 2020 would never have happened!

Gregorio Robles
General Chair, OpenSym 2020

¹https://opensym.org/about-us/definition/
Program Chairs’ Foreword

We welcome you to the 16th International Symposium on Open Collaboration (OpenSym 2020) held on August 26-27th. As a premier conference in the field, OpenSym provides an excellent forum for reporting the latest developments in open collaboration research and practice, including open source, open data, open science, open education, wikis and related social media, Wikipedia, and IT-driven open innovation research.

OpenSym 2020 was originally scheduled to take place in the wonderful city of Madrid, Spain. As the Covid-19 pandemic has struck, OpenSym 2020 has, like all other conferences during this period, become a virtual event. In this dramatic shift of ways of working that has affected everybody around the globe, OpenSym as a venue for discussing research on collaboration has perhaps become even more important than ever. Co-located and face-to-face collaboration is now no longer something we can take for granted. Forced by the turn of events in 2020, it has become even more critical to leverage the lessons from open source collaboration in everything we do. The changes that everybody has had to accept are likely to impact our daily lives in the foreseeable future. We hope that the OpenSym conference can play its role in learning how to improve open collaborations for the wellbeing of all.

We are pleased to present the proceedings of the conference as its published record, which include 12 Full Research Papers and 2 New Ideas and Emerging Research Papers. The conference program represents the efforts of many people. We want to express our gratitude to the members of the Program Committee and the external reviewers for their hard work in reviewing submissions. We also thank our invited keynote speaker for sharing his insights with us. The conference chair, Gregorio Robles also helped us out in many ways, for which we are grateful. The paper submission and reviewing process was managed using the EasyChair system. We also acknowledge the fantastic work that Simon Butler, our Proceedings Chair, did in managing the conference proceedings. Finally, the conference would not be possible without the excellent papers contributed by authors. We thank all the authors for their contributions and their participation in OpenSym 2020! We feel honoured and privileged to serve as Program Chairs for the conference and hope that this program will further stimulate research in all areas of open collaboration.

Klaas-Jan Stol and Xiaofeng Wang
Program Co-Chairs, OpenSym 2020

Javier Arroyo Gallardo and Valentina Lenarduzzi
NIER Track Co-Chairs, OpenSym 2020
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# Table of Contents

General Chair’s Foreword ................................................................. i
Program Chairs Foreword .............................................................. ii
Organization ................................................................................ iii
  Program Committee: Research Track .................................... iii
  Program Committee: New Ideas and Emerging Research Track...... iv

**KDAP: An Open Source Toolkit to Accelerate Knowledge Building Research**
Amit Arjun Verma (Indian Institute of Technology Ropar), S. R. S. Iyengar (Indian Institute of Technology Ropar), Simran Setia (Indian Institute of Technology Ropar), Neeru Dubey (Indian Institute of Technology Ropar)

**Sharing Your Coding Schemas: Developing a Platform to Fit Within the Qualitative Research Workflow**
Julian Jocker (DIPF Leibniz Institute for Research and Information in Education), Taryn Bipat (University of Washington), Mark Zachry (University of Washington), David McDonald (University of Washington)

**Who Writes Wikipedia?: An Investigation From the Perspective of Ortega and Newton Hypotheses**
Anamika Chhabra (Indian Institute of Technology Ropar), S. R. S. Iyengar (Indian Institute of Technology Ropar)

**You Shall Not Publish: Edit Filters on English Wikipedia**
Lyudmila Vaseva (Freie Universität Berlin), Claudia Müller-Birn (Freie Universität Berlin)

**Classifying Wikipedia Article Quality With Revision History Networks**
Narun Raman (Carleton College), Nathaniel Sauerberg (Carleton College), Jonah Fisher (Carleton College), Sneha Narayan (Carleton College)

**Participation Inequality and the 90-9-1 Principle in Open Source**
Mattia Gasparini (Politecnico di Milano), Robert Clarisó (Universitat Oberta de Catalunya), Marco Brambilla (Politecnico di Milano), Jordi Cabot (ICREA - UOC (Internet Interdisciplinary Institute))

**Recommending Tasks to Newcomers in OSS Projects: How Do Mentors Handle It?**
Sogol Balali (Oregon State University), Umayal Annamalai (Oregon State University), Susmita Padala (Oregon State University), Bianca Trinkenreich (Northern Arizona University), Marco Gerosa (Northern Arizona University), Igor Steinmacher (Northern Arizona University), Anita Sarma
Dynamics of Edit War Sequences in Wikipedia
Anamika Chhabra (Indian Institute of Technology Ropar), Rishemjit Kaur (CSIR-Central Scientific Instruments Organization, Chandigarh), S. R. S. Iyengar (Indian Institute of Technology Ropar)

QWiki: Need for QnA & Wiki to Co-exist
Simran Setia (Indian Institute of Technology Ropar), S. R. S. Iyengar (Indian Institute of Technology Ropar), Amit Arjun Verma (Indian Institute of Technology Ropar),

Public Sector Platforms Going Open: Creating and Growing an Ecosystem with Open Collaborative Development
Johan Linäker (Lund University), Per Runeson (Lund University)

An overview of Decentralized Autonomous Organizations on the Blockchain
Youssef El Faqir (Universidad Complutense de Madrid), Javier Arroyo (Universidad Complutense de Madrid), Samer Hassan (Berkman Klein Center for Internet & Society)

Towards a Maturity Model for Assessment of Organization Readiness in Implementing and Deploying an Open Innovation Platform
Pablo Cruz (Universidad Técnica Federico Santa María), Hernan Astudillo (Universidad Técnica Federico Santa Maria)

Exploring Systematic Bias Through Article Deletions on Wikipedia From a Behavioral Perspective
Zena Worku (University of Washington), Taryn Bipat (University of Washington), David McDonald (University of Washington), Mark Zachry (University of Washington)

The Wikipedia Diversity Observatory: A Project to Identify and Bridge Content Gaps in Wikipedia
Marc Miquel Ribé (Universitat Pompeu Fabra), David Laniado (Eurecat)