

Juhi Kulshrestha

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Max Planck Institute for
Software Systems (MPI-SWS)
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RESEARCH INTERESTS

Social computing, systems and data science aspects of social computing platforms, measurement and analysis of networked and distributed systems

EDUCATION

Max Planck Institute for Software Systems (MPI-SWS), University of Saarland

Ph.D. — 2011 - Present
Adviser : Dr. Krishna P. Gummadi

University of Saarland

M.Sc. Computer Science — 2009 - 2011
Grade - 1.1 (With Honours)

Institute of Informatics and Communication, University of Delhi

M.Sc. Informatics — 2007 - 2009
Grade - 9.16 (Rank 1 in University of Delhi)

Sri Venkateswara College, University of Delhi

B.Sc. (Honours) Physics — 2004 - 2007
Grade - 90.22% (Rank 3 in University of Delhi, SC)

HONOURS & AWARDS

- Google Anita Borg Scholarship 2013
- Google European Doctoral Fellowship for Social Computing 2011 (Funding period : 2011 - 2014)
- IMPECS Grant for Research Visit to IIT Kharagpur (Dec '15 - Jan '16)
- Travel Grants for ICWSM 2012, COSN 2015, CSCW 2016
- Graduate student fellowship, MPI-SWS, 2014 - present
- Graduate student fellowship, Saarbruecken Graduate School for Computer Science, 2009 - 2011
- Rank 1 in University of Delhi in M.Sc. Informatics
- Student Assistantship for M.Sc. Informatics, University of Delhi, 2007 - 2009
- Rank 3 in University of Delhi (SC) in B.Sc. (Honours) Physics
- Science Meritorious Awards, B.Sc. (Honours) Physics, University of Delhi, 2004 - 2007

PUBLICATIONS

The Road to Popularity: The Dilution of Growing Audience on Twitter

Przemyslaw A. Grabowicz, Mahmoudreza Babaei, Juhi Kulshrestha, Ingmar Weber
In Proc. Intl. AAAI Conference on Web and Social Media (ICWSM), Cologne, Germany, May 2016

Measuring and Managing Information Diets of Social Media Users

Juhi Kulshrestha

CSCW Doctoral Colloquium, In Companion - Proc. ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW), San Francisco, USA, February 2016

Characterizing Information Diets of Social Media Users

Juhi Kulshrestha, Muhammad Bilal Zafar, Lisette Espin Noboa, Krishna P. Gummadi, Saptarshi Ghosh

In Proc. Intl. AAI Conference on Web and Social Media (ICWSM), Oxford, UK, May 2015

Evaluating Social Recommendation Systems

Juhi Kulshrestha, Muhammad Bilal Zafar, Saptarshi Ghosh, Krishna P. Gummadi

In Poster Session, Conference on Online Social Networks (COSN), Dublin, Ireland, October 2014

Deep Twitter Diving : Exploring Topical Groups in Microblogs at Scale

Parantapa Bhattacharya, Saptarshi Ghosh, Muhammad Bilal Zafar, Juhi Kulshrestha, Mainack Mondal, Niloy Ganguly, Krishna P. Gummadi

In Proc. ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW), Baltimore, USA, February 2014

Geographic Dissection of the Twitter Network

Juhi Kulshrestha, Farshad Kooti, Ashkan Nikraves, Krishna P. Gummadi

In Proc. Intl. AAI Conference on Web and Social Media (ICWSM), Trinity College Dublin, Ireland, June 2012

A Verified Dependable Wireless Safety Critical Hard Real-time Design

Harnan Baro Graf, Holger Hermanns, Juhi Kulshrestha, Jens Peter, Anjo Vahldiek, Aravind Vasudevan

In Proc. IEEE Intl Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM), Lucca, Italy, June 2011

THESIS WORK

Measuring and Managing Information Consumption of Social Media Users

Juhi Kulshrestha

Ph.D. Thesis, MPI-SWS & University of Saarland, In preparation

Congestion Control and Fairness for Real-time Media Transmission

Juhi Kulshrestha

Master's Thesis, University of Saarland, 2011

INVITED TALKS

Characterizing Information Production and Consumption on Online Social Media

Indraprastha Institute of Information Technology, Delhi, India, December 2015

Characterizing Effects of Search & Recommendation Systems on Information Consumed by Social Media Users

Indian Institute of Technology, Kharagpur, India, December 2015

CONFERENCE TALKS

Measuring and Managing Information Diets of Social Media Users

CSCW Doctoral Colloquium, San Francisco, USA, February 2016

Characterizing Information Diets of Social Media Users

ICWSM, Oxford, UK, May 2015

Geographic Dissection of the Twitter Network

ICWSM, Trinity College Dublin, Ireland, May 2011

SOFTWARE

Measure & Manage your Information Diet

A service to measure the Information Diets of Twitter users

<http://twitter-app.mpi-sws.org/information-diets/>

SERVICES

Academic events organized

- Web Chair, ICWSM 2016
- Organizing committee - PhDNet's (Max Planck Society's Student Body) interdisciplinary Conference - Visions in Science, 2012

Reviewing

- Program committee member, ICWSM, Ann Arbor, Mi, USA, June 2014
- Program committee member, WebSci, Hannover, Germany, May 2016

TEACHING EXPERIENCE

Teaching Assistant : “Social Media Analysis”

Lecture-based Course, University of Saarland

Summer 2016

Teaching Assistant : “Human vs. Algorithmic Decision Making : Bias, Fairness & Transparency”

Seminar Course, University of Saarland

Winter 2015-16

Teaching Assistant : “Readings in Social Computing Systems”

Seminar Course, University of Saarland

Summer 2013

Teaching Assistant : “Future Media Internet”

Lecture-based Course, University of Saarland

Winter 2010-11

ADVISING

- Master's Student at MPI-SWS : Lisette Espin Noboa
- Summer Interns at MPI-SWS : Ashkan Nikravesh, Priyanka Suresh

REFERENCES

Dr. Krishna P. Gummadi (PhD. Adviser)

Head, Networked Systems,

MPI - SWS, Germany

gummadi@mpi-sws.org

Prof. Niloy Ganguly (Co-author CSCW '14, IMPECS visit host)

Professor, Department of Computer Science and Engineering

Indian Institute of Technology, Kharagpur, India

niloy@cse.iitkgp.ernet.in

Prof. Holger Hermanns (Graduate School Mentor, Co-author - IEEE

WoWMoM '11, Master Thesis Reviewer)

Professor, University of Saarland, Germany

Head, Dependable Systems and Software group

hermanns@cs.uni-saarland.de

Dr. Saptarshi Ghosh (Co-author - CSCW '14, ICWSM '15, journal submission in preparation)

Assistant Professor, Department of Computer Science and Technology

Indian Institute of Engineering Science and Technology, Shibpur, India

sghosh@cs.iiests.ac.in