CFP: PAP2018 - Personal Analytics and Privacy Workshop at ECML PKDD 2018

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INVITATION:
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Please consider to contribute to and/or forward to the appropriate groups the
following opportunity to submit and publish original scientific results to PAP
2018, the 2nd International Workshop on Personal Analytics and Privacy in
conjunction with ECML PKDD 2018.

The submission deadline is:

Sunday, July 8, 2018 (EXTENDED!) - 23:59 AOE (Anywhere On Earth)
This is a firm deadline, due to the constraints on the main conference side.

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PAP 2018 - Call for Papers

2nd International Workshop on Personal Analytics and Privacy

In conjunction with ECML PKDD 2018
September 10, 2018, Dublin, Ireland
http://kdd.di.unito.it/pap2018/

CONTEXT & OBJECTIVES

In the era of Big Data, every single user of our hyper-connected world leaves
behind a myriad of digital breadcrumbs while performing her daily activities.
Nowadays, a simple smartphone enables each one of us to browse the Web, listen
to music on online musical services, post messages on social networks, perform
online shopping, acquire images and record our geographical locations. This
enormous amount of personal data can be exploited to improve the lifestyle of
each individual by extracting, analyzing and exploiting user's behavioral
patterns like the items frequently purchased, the routinary movements, the
favorite sequence of songs listened, etc. Up to now, the highly valuable
personal patterns able to predict human behavior can only be extracted by big
companies, which employ this information mainly to improve marketing strategies.
This organization-centric model does not empower to take full advantage of the
possibility of knowledge extraction offered by personal data, mainly because
each company has only a limited view on individuals that is restricted to the
type of data for which the company provides services. Moreover, users have a
very limited capability to control and exploit their personal data. Although
some user-centric models like the Personal Information Management System and the
Personal Data Store are emerging, currently there is still a significant lack in
terms of algorithms and models specifically designed to capture the knowledge
from individual data and to ensure privacy protection in a user-centric
scenario.

Personal data analytics and individual privacy protection are the key elements
to leverage nowadays services to a new type of systems. The availability of
personal analytics tools able to extract hidden knowledge from individual data
while protecting the privacy right can help the society to move from
organization-centric systems to user-centric systems, where the user is the
owner of her personal data and is able to manage, understand, exploit, control
and share her own data and the knowledge deliverable from them in a completely
safe way.

The purpose of PAP, Personal Analytics and Privacy, is to encourage principled

research that will lead to the advancement of personal data analytics, personal services development, privacy, data protection and privacy risk assessment. The workshop will seek top-quality submissions addressing important issues related to personal analytics, personal data mining and privacy in the context where real individual data (spatio-temporal data, call details records, tweets, mobility data, transactional data, social networking data, etc.) are used for developing a data-driven service, for realizing a social study aimed at understanding nowadays society, and for publication purposes. Papers can present research results in any of the themes of interest for the workshop as well as application experiences, tools and promising preliminary ideas. However, papers dealing with synergistic approaches that integrate privacy requirements and protection in the personal data analytics approach are especially welcome.

TOPICS

Authors are invited to submit original research or position papers proposing novel methods or analyzing existing techniques on novel datasets on any relevant topic. These can either be normal or short papers. Short papers can discuss new ideas which are at an early stage of development and which have not yet been thoroughly evaluated. Topics of interest to the workshop include, but are not limited to, the following:

- Personal model summarizing the user's behaviors
- Personal data and knowledge management (databases, software, formats)
- Personal data collection (crawling, storage, compression)
- Personal data integration
- Personal Data Store and Personal Information Management Systems models
- Parameter-free and auto-adaptive methodologies for personal analytics
- Novel indicators measuring personal behavior
- Individual vs. collective models
- Privacy-preserving mining algorithm
- Privacy-preserving individual data sharing
- Privacy risk assessment
- Privacy and anonymity in collective services
- Information (data/patterns) hiding
- Privacy in pervasive/ubiquitous systems
- Security and privacy metrics
- Personal data protection and law enforcement
- Balancing privacy and quality of the service/analysis
- Case study analysis and experiments on real individual data

SUBMISSION & PUBLICATION

All contributions will be reviewed by at least three members of the Program Committee. As regards size, contributions can be up to 16 pages in LNCS format, i.e., the ECML PKDD 2018 submission format. All papers should be written in English and be in LNCS format. The following kinds of submissions will be considered: research papers, tool papers, case study papers and position papers. Detailed information on the submission procedure are available at the workshop web page:

http://kdd.di.unito.it/pap2018/.

Accepted papers will be published after the workshop by Springer in a volume of Lecture Notes in Computer Science (LNCS). Condition for inclusion in the post-proceedings is that at least one of the co-authors has presented the paper at the workshop. Pre-proceedings will be available online before the workshop. The authors of the best paper will be awarded with a voucher, which can be exchanged on Springer books worth of 250 Euro!

IMPORTANT DATES

Paper Submission deadline: Sunday, July 8, 2018 (EXTENDED!)
Accept/Reject Notification: Thursday, July 26, 2018
Camera-ready deadline: Monday, August 6, 2018
Workshop: September Monday, September 10, 2018

KEYNOTE SPEAKERS

* Anna Monreale, University of Pisa, Italy
* Mirco Musolesi, University College London, UK

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