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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 2017, the 1st International Workshop on Personal Analytics and Privacy in conjunction with ECML PKDD 2017.

The submission deadlines are:

Extended Abstract and Paper Submission deadline: Monday, July 10, 2017

Accept/Reject Notification: Monday, July 24, 2017

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PAP 2017 – Call for Papers

1st International Workshop on Personal Analytics and Privacy

In conjunction with ECML PKDD 2017

September 18, 2017, Skopje, Macedonia

<http://kdd.isti.cnr.it/pap2017>

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 in the form of either regular (research or position) papers, up to 12 pages, or short (research or position) papers, up to 6 pages, will be reviewed by three members of the Program Committee. All papers should be written in English and be in LNCS format. Detailed information on the submission procedure are available at the workshop web page:

<http://kdd.isti.cnr.it/pap2017/>.

Accepted papers (both regular and short) will be published after the workshop by Springer in a volume of Lecture Notes in Computer Science (LNCS), which will collect contributions to workshops co-located with ECML PKDD 2017. 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. A special issue of a relevant international journal with extended versions of selected papers is under consideration.

Submission Link: <https://easychair.org/conferences/?conf=pap2017>

IMPORTANT DATES

Extended Abstract and Paper Submission deadline: Monday, July 10, 2017

Accept/Reject Notification: Monday, July 24, 2017

Camera-ready deadline: Monday, August 7, 2017

Workshop: September Monday/Friday, September 18/22, 2017

KEYNOTE SPEAKERS

* Bruno Lepri, Fondazione Bruno Kessler

* Serge Abiteboul, Inria, ENS Paris

PROGRAM CO-CHAIRS

* Serge Abiteboul, Inria, ENS Paris, France

* Riccardo Guidotti, KDDLab, ISTI-CNR Pisa, Italy

* Anna Monreale, University of Pisa, Italy

* Dino Pedreschi, University of Pisa, Italy

PROGRAM COMMITTEE

Nicolas Anceaux, Inria, France

Bettina Berendt, KU Leuven, Belgium

Elisa Bertino, Purdue University, USA

Tobias Blanke, King's College London, UK

Francesco Bonchi, ISI Foundation, Italy

Paolo Cintia, ISTI-CNR, Italy

Michele Coscia, Harvard University, USA

Jon Crowcroft, University of Cambridge, UK

Mathieu Cunche, INSA-Lyon / Inria, France

Boxiang Dong, Montclair State University, USA

Wendy Hui Wang, Stevens Institute, USA

Bruno Lepri, MobS Lab at Fondazione Bruno Kessler, Italy

Mirco Musolesi, University College London, UK

Francesca Pratesi, University of Pisa, Italy

Vincenc Torra, IIIA-CSIC, Spain

Jeroen Van Der Hoven, Delft University, Netherlands

Michele Vescovi, Telecom Italia, Italy

CONTACT

All inquires should be sent to pap2017@easychair.org