

Preface

The First International Workshop on Personal Analytics and Privacy (PAP) was held in Skopje, Macedonia, on September 18, 2017. The purpose of the workshop 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 with the intent of bringing together researchers and practitioners interested in personal analytics and privacy. The workshop, collocated with the conference ECML/PKDD 2017, sought 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 data-driven services, for realizing social studies aimed at understanding nowadays society, and for publication purposes.

The authors were invited to submit original research or position papers proposing novel methods or analyzing existing techniques on novel datasets on any relevant topic including, 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

All submitted papers were reviewed on the basis of technical quality, relevance, significance, and clarity by at least three referees. The Program Committee received 19 submissions and accepted 13 papers. The program of PAP was enriched by the keynote speeches by Bruno Lepri entitled “The Rise of Decentralized Personal Data Markets” and by Serge Abiteboul entitled “Personal Knowledge Management Systems.”

We would also like to thank the Program Committee for their work on reviewing the papers. The process of reviewing and selecting papers was significantly simplified through using EasyChair. We thank all attendees to the workshop and hope that this event will enable a good exchange of ideas and generate new collaborations among attendees. The organization of PAP 2017 was supported by the European Community's H2020 Program under the funding scheme "INFRAIA- 1-2014–2015: Research Infrastructures" grant agreement 654024, <http://www.sobigdata.eu>, "SoBigData: Social Mining & Big Data Ecosystem."

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Personal Analytics and Privacy. An Individual and
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