Special Track on Recommender Systems: Theory, User Interactions and Applications

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The Track on Recommender Systems: Theory, User Interactions and Applications at ACM/SIGAPP Symposium on Applied Computing (ACM SAC) 2020 provides a dedicated forum to researchers in the area of reommender systems (RecSys) and user modeling for discussing open research problems, solid solutions, latest challenges, novel applications and innovative research approaches in RecSys. The development of RecSys promotes various research topics, such as user interaction and interfaces, algorithm design and evaluations, computational efficiency, and recommendation explanations. As one of applied sciences, the field of recommender systems attracts experts and receives contributions from multidisciplinary areas. This track was hosted in ACM SAC in the years of 2013, 2014, 2017, 2018 and 2019 previously. Thus, it is already the 6th issue of a track on RecSys research associated with ACM SAC.

The submissions and the selected papers from our track deal with a wide variety of recommender system issues including (not limited to) the topics as follows:

- **Recommender Systems**
  Conversational recommender systems
  Context-aware/Trust-based/Group/Social/Mobile and multi-channel recommenders
  Recommendation explanation
  New recommender applications
  Data mining and machine learning for development
  Novel paradigms, Theoretical foundations
  Preference elicitation
  Privacy and security issues in recommender systems
  Recommendation algorithms, Algorithm scalability, Evaluation metrics and studies
  Semantic technologies for recommendation
- **User modeling in Recommender Systems**
  User interface design
  User-adaptive interaction and personalization
  Empirical user studies
  Explanations in recommender systems
  User behavior analytics and user modeling
  User-centric studies and evaluations in recommender systems
  Privacy and security issues in recommender systems
  Recommender systems based on users' psychological characteristics, such as personality and emotions

This year, we received 23 valid submissions and based on a rigorous review process each paper received at least three reviews. Finally, 4 long papers and 2 short papers were selected for the track, bringing the acceptance rate down to 17% for long papers. Accepted long submissions are presented orally, while short papers will be presented as posters in the ACM SAC 2020.

Our track was supported by 27 expert program committee members and who worked hard to provide valuable reviews for the submissions to our track:

- Christine Bauer, Johannes Kepler University Linz, Austria
- Vito Bellini, Politecnico di Bari, Italy
- Alejandro Bellogin, Universidad Autónoma de Madrid, Spain
- Ludovico Boratto, Eurecat, Barcelona, Spain
- Derek Bridge, Insight Centre for Data Analytics, Ireland
- Ivan Cantador, Universidad Autónoma de Madrid, Spain
- Ludovik Coba, Free University of Bozen-Bolzano, Italy
- Marco DeGemmis, University of Bari, Italy
- Mehdi Elahi, Free University of Bozen-Bolzano, Italy
- Jonathan Gemmell, DePaul University, USA
- Dietmar Jannach, AAU Klagenfurt, Austria
- Michael Jugovac, TU Dortmund, Germany
- Peter Knees, TU Wien, Austria
- Bart Knijnenburg, Clemson University, USA
- Pasquale Lops, University of Bari Aldo Moro, Italy
- Cataldo Musto, University of Bari Aldo Moro, Italy
- Julia Neidhardt, TU Vienna, Austria
- Weike Pan, Shenzhen University, China
- Francesco Ricci, Free University of Bozen-Bolzano, Italy
- Laurens Rook, TU Delft, Netherlands
- Shaghayegh Sahebi, University at Albany, SUNY, USA
- Gabriele Sottocornola, Free University of Bozen-Bolzano, Italy
- Fabio Stella, University of Milan-Bicocca, Italy
- Zhu Sun, Nanyang Technological University, Singapore
- Marko Tkalcic, University of Primorska in Koper, Slovenia
- Wolfgang Wörndl, TU Munich, Germany
- Rongting Zhang, UT Austin, USA

Finally, we thank all the authors who submitted their valuable papers to this track and we are very grateful to the members of the Program Committee. Without their support, the organization of the track's sessions would not have been possible. We also express our gratitude to organizations that made this track happen. We believe this track will continue to be a success in the future editions of ACM SAC.

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