

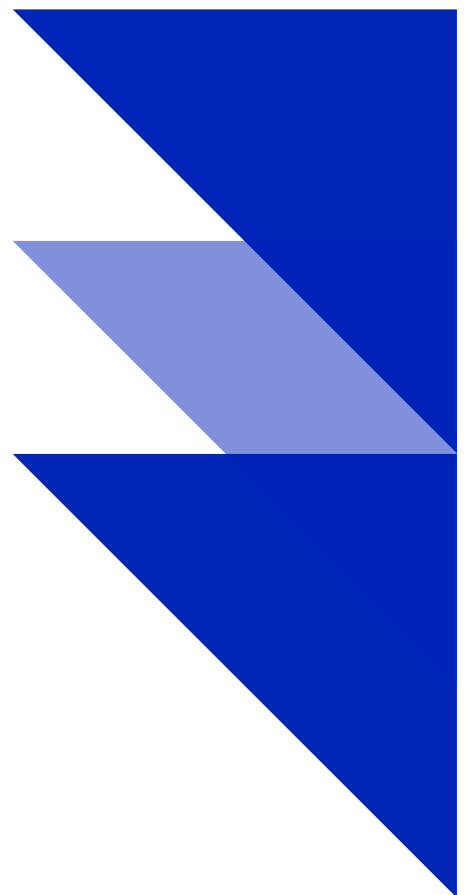
Co-located with Twelfth ACM Conference on Recommender Systems



Third International Workshop on Health Recommender Systems

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Preface

Information systems are becoming evermore intertwined with other systems and approaches developed with to keep us healthy and increasing our general wellbeing. In the two previous workshops on Health Recommender Systems (HRS), we identified and discussed a great variety of fields in which recommender systems can improve our awareness, understanding and behavior regarding our own, and the general public's health. At the same time, these application areas bring new challenges into the recommender community. For example, recommendations that influence the health status of a patient need to be legally sound and today, they often involve a human in the loop to ensure the recommendations are appropriate. The variety of the challenges in HRS also results from the number and diversity of stakeholders involved in health systems. Taking the patient's perspective, simple interaction and safety against harmful recommendations might be the prioritized concern. For clinicians and experts, on the other hand, what matters is precise and accurate content. Finally, health care providers, insurance providers, and clinics are interested in other aspects such as success rates, study results, and financial benefits of the new systems. This workshop goes deeper into the discussions started at the two prior workshops and works towards further development of the research topics in Health Recommender Systems. Following the two previous workshops in 2016 and 2017, the focus of this workshop is to intensify the discussion on health promotion, health care, as well as health related methods. This workshop also aims to strengthen the HealthRecSys community, to engage representatives of other health domains into cross-domain collaborations, and to exchange and share infrastructure. This volume contains the papers presented at the third international workshop on health recommender system on October 06, 2018, held as part of the 12th ACM Conference on Recommender Systems in Vancouver, Canada. Eleven technical papers were selected through a rigorous reviewing process by which three PC members reviewed each submission. The papers cover topics on recommendation impact and credibility, healthy lifestyle, e-coaching, virtual coaches, knowledge based models, just in time recommendations, user modeling, user interaction, user experience, personalized persuasion, motivation, food recommendation, fitness recommendation, e-commerce, healthy shopping habits, multi-criteria recommender systems, multi-objective optimization, symptoms monitoring, and medical interventions. The HRS chairs would like to thank RecSys 2018 organizing committee, especially the RecSys workshop chairs for their support. We would also like to thank the authors, presenters, and PC members, whose efforts made the workshop possible.

October, 2018

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