Preface

This volume contains the papers presented at IIR'18, the 9th Italian Information Retrieval Workshop held on May 28-30, 2018 in Rome, Italy. The purpose of the Italian Information Retrieval (IIR) workshop series is to provide a forum for stimulating and disseminating research in information retrieval, where Italian researchers (especially young ones) and researchers affiliated with Italian institutions can network and discuss their research results in an informal way. Previously IIR workshops took place in Lugano (2017), Venice (2016), Cagliari (2015), Rome (2014), Pisa (2013), Bari (2012), Milan (2011) and Padua (2010). The contributions to IIR 2018 mainly address five relevant topics:

- Evaluation of IR systems
- Multimedia IR systems
- Machine Learning in IR
- Efficiency in query processing
- Data Mining
- Text Classification

In this edition, a complete track has been devoted to Recommender Systems as an emerging IR-related topic in the Italian community.

We received 35 submissions, both full and short original papers presenting new research results as well as extended abstracts containing descriptions of ongoing projects or summarizing already published results. Each submission was reviewed by at least two program committee members. The reviewers looked at originality, technical depth, style of presentation, and impact. Finally, the committee decided to accept 30 papers for presentation at the workshop, 18 of which appear in these proceedings. The program also included three invited talks. The first was given by Aristides Gionis from Aalto University, Finland, on "Combating polarization in social media". The second talk was by Dietmar Jannach from Alpen-Adria University, Austria. The talk was entitled "Session-based Recommendation: Challenges and Recent Advances". The last talk was given by Nicola Ferro from University of Padua, Italy and it focused on "The Long Road Ahead from Explanation to Prediction of IR System Performance". All invited talks were highly praised by participants.

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Luca Becchetti (Program co-Chair), Sapienza University of Rome, Italy
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