



Recommendation Systems: Some Recent Advancements

IEEE UniMelb Student Branch Seminar Series

Date:

29 July 2020 - Wednesday

Time:

4:00 PM to 5:00 PM AEST

Location:

Virtual Meeting

IEEE University of Melbourne Student Branch and IEEE RMIT Student Branch are co-hosting a virtual technical talk on **Recommendation Systems: Some Recent Advancements**. This event is going to be 45-minute presentation followed by 15-minute Q&A session.

**IEEE University of Melbourne
Student Branch**

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Speaker:

Dr. Mahdi Jalili

Senior Lecturer

School of Engineering

RMIT University



Focus areas

- Fundamentals of recommendation systems.
- Collaborative filtering recommender algorithms.
- Recent advancements in recommendation systems.
- Impact of COVID-19 on broader graduate job market.

Please register here: <https://forms.gle/ekyEyiaPYfZ9yshx6>





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Registration: <https://forms.gle/ekyEyiaPYfZ9yshx6>

Webinar Link: Emailed upon registration

Abstract:

In recent years, recommender systems have attracted much attention in both industry and academic settings. Collaborative filtering recommender algorithms use previous user-item interaction data, i.e. ratings given by users on items, and recommend appropriate items to users. With increasing access to social information between users, recommender systems can directly incorporate social relationships into the recommendation process. The main idea of social recommender systems is that users connected to each other by social relationships are correlated rather than being independent and identically distributed. They are built on the assumption that social relationships are formed when users have similar opinions to similar products. In this talk, I will provide an overview of the basics of collaborative filtering recommendation systems and share some recent advancements.

Speaker Biography:

Dr Mahdi Jalili (Senior Member, IEEE) received the B.S. degree in electrical engineering from Tehran Polytechnic, Tehran, Iran, in 2001, the M.S. degree in electrical engineering from the University of Tehran, Tehran, in 2004, and the Ph.D. degree in synchronization in dynamical networks from the Swiss Federal Institute of Technology Lausanne, Lausanne, Switzerland. He then joined the Sharif University of Technology as an Assistant Professor. He is currently a Senior Lecturer with the School of Engineering, RMIT University, Melbourne. His research interests include network science, dynamical systems, social networks analysis and mining, and data analytics.

Dr. Jalili was a recipient of the Australian Research Council DECRA Fellowship and the RMIT Vice-Chancellor Research Fellowship. He is an Associate Editor of the IEEE Canadian Journal of Electrical and Computer Engineering and an Editorial Board Member of the Mathematical Problems in Engineering and Complex Adaptive Systems Modeling.