

Department of Systems Engineering and Engineering Management

Seminar Series

Group Recommender Systems: A challenge for Consensus Reaching Processes

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Date	07 April 2017 (Friday)
Time	10:30am - 11:30am
Venue	Y5-202, AC1

Abstract

Due to the fact that in the contemporary E-commerce customers demand quick and easy access to products, and there is an overwhelming amount of information that leads customers into the difficult task of filtering information that meets their actual needs. To address this problem, recommender systems were proposed to filter information, thus delivering to users only the information that meets their preferences or needs. Recommender systems are probably the most successful tool to support personalised recommendations.

Most recommender systems research has been focused on the accuracy improvement of recommendation algorithms. Despite this, recently new trends in recommender systems have become important research topics such as, cold start, context awareness, group recommendations, etc. Group recommendations are very challenging because of its own features, the use of group decision techniques based on consensus reaching processes can provide important improvements an open a line for improvement such a type of recommendations.

This talk will review the basics of the most wide-spread type of Recommender Systems such as Collaborative Filtering models. Afterwards, it will be focused on important results obtained in group recommendations based on group decision negotiation processes. Eventually it will be pointed out different open research lines in the topic.

About the Speaker

Luis Martínez received the M.Sc. and Ph.D. degrees in Computer Sciences, both from the University of Granada, Spain, in 1993 and 1999, respectively.

Currently, he is Full Professor of Computer Science Department at the University of Jaén and Lecturing Professor in “Chutian Scholar Program” in Wuhan University of Technology. His current research interests are linguistic preference modelling, decision making, fuzzy logic based systems, computer aided learning, sensory evaluation, recommender systems and electronic commerce. He co-edited nine journal special issues on fuzzy preference modelling, soft computing, linguistic decision making and fuzzy sets theory and published more than 80 papers in journals indexed by the SCI as well as 30 book chapters and more than 125 contributions in International Conferences related to his areas.

It is remarkable that he has been main researcher in 13 R&D projects. He is member of the European Society for Fuzzy Logic and Technology (EUSFLAT) and of IEEE. Co-Editor in Chief of the of the International Journal of Computational Intelligence Systems and an Associated Editor of the journals IEEE Transactions on Fuzzy Systems, Information Fusion, the International Journal of Fuzzy Systems, Journal of Intelligent & Fuzzy Systems, Journal of Fuzzy Mathematics and serves as member of the journal Editorial Board of the Journal of Universal Computer Sciences. He received twice the IEEE Transactions on Fuzzy Systems Outstanding Paper Award 2008 and 2012 (bestowed in 2011 and 2015 respectively) and the Da Ruan’s Award in the International Conference 2016. He is also Visiting Professor in University of Technology Sydney, Guest Professor in the Southwest Jiaotong University and honourable professor in Xihua University both in Chengdu (China).

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All are Welcome!