**Título:** NOVEL MODELS IN RECOMMENDER SYSTEMS AND GROUP RECOMMENDER SYSTEMS FOR IMPROVING RECOMMENDATIONS

**Nombre:** Castro Gallardo, Jorge

**Universidad:** Universidad de Granada

**Departamento:** Ciencias de la computación e inteligencia artificial

**Fecha de lectura:** 01/02/2019

**Mención a doctor europeo:** concedido

**Programa de doctorado:** Programa de Doctorado en Tecnologías de la Información y la Comunicación por la Universidad de Granada

**Dirección:**

> **Director:** LUIS MARTÍNEZ LÓPEZ

**Tribunal:**

> **presidente:** ENRIQUE HERRERA VIEDMA

> **secretario:** José Manuel Benítez Sánchez

> **vocal:** EVA ONAINDÍA DE LA RIVAHERRERA

> **vocal:** LIANG WANG

> **vocal:** Carlos Gustavo Porcel Gallego

**Descriptores:**

> TECNOLOGIA DE LAS TELECOMUNICACIONES

**El fichero de tesis** ya ha sido incorporado al sistema

> http://digibug.ugr.es/bitstream/handle/10481/55453/57065.pdf?sequence=4&isAllowed=yhttp://

**Resumen:** This thesis focuses on the improvement of recommendations within personalization processes applied to support users overcome the information overload problem. This thesis focuses on two aspects: group recommendation and context-aware recommendation. The first block of the thesis proposes four group recommendation models to overcome each of the following limitations of previous techniques: (i) loss of information and diversity due to the aggregation of ratings in a group profile, (ii) lack of techniques that consider the changes in users' behavior when gathering in groups through consensus reaching processes, (iii) lack of techniques that consider the influences among members' preferences in group recommendation, and (iv) lack of natural noise management techniques for group recommender systems. The second block of the thesis focuses on the integration of contextual information in individual and group recommendation models. Within this block, a context-aware recommendation model for the recommendation in the question answering domain is proposed, which considers the collaborative trend interest as the recommendation context. The second model within this block integrates context-aware and group recommendation extending a consensus-driven group recommendation model.