	10th International Conference on Soft Computing and Pattern Recognition (SOCPAR'2018) Porto, Portugal, 13-15 December, 2018 http://www.mirlabs.org/socpar18/
Title of Session	**Pattern recognition in social networks**
Objectives and scope	Social networks are a thriving source of information and applications are pervasive. In fact, nowadays social networks have become ubiquitous. A vast majority of the western world relies on social media to communicate and to access information, but also for marketing and political intents. This special session on **pattern recognition in social networks** seeks contributions which focus on using intelligent techniques to analyse social networks, both in terms of the process as with data processing, learning algorithms, and evaluation, and also with a broader scope in mind, covering subjects as security, business, personalization, and mobile approaches.
Topics of Interest	- Learning algorithms on social networks - Preprocessing and learning on social networks - Social media marketing - Security and privacy in social networks - Data security in social networks - Applications and tools for social network analysis - Biologically inspired algorithms for social network analysis - Marketing and advertisement through social media - Business development and brand management through social media - Decision support systems on social media - Social graph mining - Dynamic social networks - Opinion mining - Social data analytics - Evolutionary approaches to social networks analysis - Social media monitoring, visualization, and analysis - Business analytics and predictive model for social media data - Recommendation networks - Personalization and influence algorithms for social media - Misconduct detection in social media - Bot detection in social media

	• Mobile social networks analysis and applications
Session Chair / Co-chair	Catarina Silva, CISUC; IPLeiria, Portugal Joana Costa, CISUC; IPLeiria, Portugal
Scientific Committee	**(To be prepared.)**
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Brief Biography of the session Organizers	**Catarina Silva** graduated in electrical engineering, and received the M.Sc. and Ph.D. in Computer Science from the University of Coimbra, Coimbra, Portugal, in 1997, 2000, and 2009, respectively. She teaches at the Polytechnic Institute of Leiria, Portugal since 1997. She is also a Researcher in the Adaptive Computation Group of the Centre for Informatics and Systems, University of Coimbra. Her research interests include intelligent systems, machine learning and their applications, especially text classification, and mobile application development. She is the author and co-author of several books, circa 10 journal articles and 50 conference papers. In her professional experience she was the coordinator of the BSc. in Computer Engineering and organized and chaired several events that involved different persons with different backgrounds, namely faculty, students, alumni and companies. Such events included meetings, conferences, and seminars ranging from 2 hour events with one invited speaker and 50 participants to 2 or 3 day events with over 200 participants. Internationally she also was in the organizing committee of international conferences, where valuable experience regarding all organizing aspects was obtained. Additionally, she is involved in different mobility programs, namely she was the Portuguese coordinator of an Erasmus Intensive Program that involved 8 European institutions of higher education and Portugal was the hosting institution in 2014. **Joana Costa** is an Assistant Professor at the School of Technology and Management of the Polytechnic Institute of Leiria, and a researcher at the Adaptive Computation (AC) Group of the Centre for Informatics and Systems of the University of Coimbra (CISUC). She has recently concluded her PhD, and her main research interests include text classification, particularly regarding information extraction in social networks, adaptive learning in dynamic environments and classification strategies using crowdsourcing and active learning.