Call for Papers: Minisymposium in *Modelling and Simulation in Solar Thermal Power Plants,* EUROSIM2016 Conference

To promote the use of techniques in *Modelling and Simulation* (M&S) that are currently available to the concentrating solar thermal (CST) plant sector, a minisymposium is being organized in one of the most important conferences of this discipline, EUROSIM2016, which will be held in Finland from September 12 to 16 of this year. Advances, both theoretical and practical, in different areas of interest – methodologies, functionalities and application domains – will be presented at this congress. As part of this year's event, the minisymposium *S5:Modelling and simulation in solar thermal power plants* is being organized and we invite all interested people to register for the event and submit their contributions in order to exchange ideas and experiences within the CST community.

In the field of Energy (*05-Energy*), CST plants have a series of needs that were revealed during the last decade, coinciding with the creation of a new industry in the solar thermal sector. This emerging industry has not had the opportunity to benefit from the results of systematic application of M&S techniques that are currently available.

This reality is due primarily to the CST industry's youth in comparison with more mature industries that have applied these techniques successfully. With this in mind, we are attempting to organize a meeting space for applications of M&S that are aimed at increasing the CST sector 's efficiency, hence the minisymposium.

An important part of the methodologies (M1 to M11) and functionalities (F1 to F11) of EUROSIM2016 can be successfully applied in each phase of the life cycle of a CST industrial plant: design, planning, logistics, construction, operation, hybridization with other energy sources, maintenance, energy trading, etc. Within all these areas, very interesting research projects and practical industrial applications are currently being developed.

All interested people in the research community and CST industrial sector are strongly encouraged to submit their contributions to this minisymposium, with the goal of presenting both works in progress and practical results that would be of interest to the this community. In general, any submitted manuscript applying M&S techniques and directed towards contributing in a positive way to any solar thermal technology (parabolic-trough, central receiver, solar furnace, desalination,...) will be received with great interest from the organizers. Furthermore, it is important to note that presenting a mathematical model with a possible application to this sector can generate a level of interest unexpected by the author and become the subject of interesting and fruitful discussions after his/her exposition.

Submissions of **_draft_ full papers (6 pages A4 format) are due May 20, 2016**. The deadline for **_draft_ short papers (2 pages A4 format) is May 30, 2016**. To submit your work, please use the **EDAS** paper submission system by using **"Track S5: Modelling and simulation in solar thermal power plants"**. More detailed information can be found in the website **EUROSIM2016,** and by contacting the minisymposium's organizers**.**

For more information:

Organizers: Luis J. Yebra y Eduardo Zarza
Contact: luis.yebra@{ciemat,psa}.es
CIEMAT. Plataforma Solar de Almería.
Crta de Senés s/n. 04200 Tabernas. Almería. Spain.