

Plataforma Solar de Almería (CIEMAT) is organising a Minisymposium in *Modelling and Simulation in Solar Thermal Power Plants* at the 9th Vienna International Conference on Mathematical Modelling ([MATHMOD 2018](#)) to be held in February 2018.

Plataforma Solar de Almería is organising a new minisymposium in Modelling and Simulation (M&S) which aims to continue the research activities being developed within this scientific area. This event is backed by the previous success of last year's minisymposium which took place in Finland within the EUROSIM2016 international conference.

This minisymposium will be performed as part of the activities of the 9th Vienna International Conference on Mathematical Modelling ([MATHMOD 2018](#)) and will be held from the 21st to the 23rd of February 2018 in Vienna. Its scope will be enlarged to all research lines and industrial applications based on solar thermal systems. Beyond the main goal to foster the use of M&S techniques available to all disciplines related with solar thermal plants, theoretical and practical novelties in different areas of interest are expected to be presented: methodologies, functionalities and application domains. In the last decade, new needs have been evidenced simultaneously with the creation of an incipient industry around solar thermal power plants and new applications of solar thermal systems to other industries, as cited by our previous minisymposium. These new needs and applications might be solved -totally or partially- with the help of techniques currently available in M&S that have been successfully applied to other industrial sectors.

All those interested, including the research community and the Concentrating Solar Thermal (CST) industrial sector, are kindly encouraged to submit their contributions to this minisymposium. One of the main objectives is to present both types of manuscripts: works in progress and practical results with potential interest for the CST community. In general, any manuscript submitted applying M&S techniques and oriented to contribute in a positive way to any solar thermal technology (parabolic-trough, central receiver, linear Fresnel concentrator, solar furnace, desalination, detoxification...) will be received by the organisers with high expectation. In this way, we would like to remark that when an author presents a mathematical model with a possible application to this sector it might generate an unexpected interest in the audience which could rise a very interesting and fruitful discussions after the presentation.

Contributions in the form of a full paper are due to be submitted by the 9th of October 2017. The deadline for contributions in the form of a short paper (*Discussion Contribution*) are due on the 5th of November 2017. Full paper contributions might be published in IFAC-PapersOnLine *proceedings series* (<https://www.journals.elsevier.com/ifac-papersonline/>). Further information can be found on the web [MATHMOD 2018](#), or by contacting the minisymposium's organisers.

Organisers:

Luis J. Yebra (luis.yebra@psa.es). CIEMAT. Plataforma Solar de Almería. Spain.
Prof. Esko Juuso (esko.juuso@oulu.fi). Universidad de Oulu. Finland.