

Year of CfP: 2009

Project No 0902-012 Completed

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| Project title: Third International Symposium in the series Plant Growth Modelling, Simulation, Visualization and Applications |
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Unit managing the project: AMAP, Botany and computational plant architecture [CIRAD, INRA, IRD, UMII, CNRS]

Project leaders: Marc Jaeger (AMAP) [marcjaeg(a)gmail.com] and Jérémie Lecoœur (LEPSE) [lecoeur(a)supagro.inra.fr]

Countries involved in the project: Chine, Netherlands

Research units from the Foundation's scientific network involved: AGAP, PSH

Sub-thematic axes: IPB-1 (Integrative Plant Biology 1: *Genetics and genomics, plant breeding, ecophysiology*)

Objectives:

PMA09 is the third International Symposium in the series Plant Growth Modelling, Simulation, Visualization and Applications after PMA03 and PMA06 both held in Beijing, China, in 2003 and 2006. PMA09 addresses Plant Biologists, Mathematicians and Computer Scientists with an interest in Plant Growth Modelling, Simulation, Visualization and their Applications in Plant and Crop Sciences, Forestry, Agriculture, Environmental Sciences, Ecology and Virtual Reality.

This international event provides an excellent opportunity to foster scientific and technical exchanges in a multidisciplinary subject area, and will also allow the building of bridges between different scientific communities. PMA09 is organized by Chinese and French Institutions and is open to international scientists and students interested in Plant Growth Modelling, Simulation, Visualization and Applications. The event is supported by an International Scientific Committee (PMA09 took place in Beijing, China, November 09-13, 2009)

Action carried-out and results obtained:

This third event of the series (after PMA03 and PMA06) took place in Beijing from 2009, November 9th to 13rd. Under PMA09 board (CAU and CIRAD), the international scientific committee selected 42 oral contributions and 18 poster contributions. The board also invited 4 key note speakers. Presentations were of high quality. They show that FSPM become mature. Most of the contributions present applications in which FSPM provide the background support for experiments model coupling and focused specialized researches. Proceedings are edited by IEEE CPS. Selected papers were edited (or are currently edited) in the following journals: Annals of Botany, Journal of Computer Sciences and Technology, International Journal of Computer Sciences.

The event was organized by the China Agricultural University (CAU), involving nearly 100 participants. Tutorial day attendees were a dozen. The symposium received the support from the following French and Chinese institutions: CIRAD, INRIA, Agropolis Fondation, French Embassy in China, LIAMA, CAU, 863 Program, NSFC, CAF, CASIA, WSCT, CSIG, Nercita.

More information available on: <http://pma.cirad.fr>

Prospects for the future:

The event series is now definitively settle in the scientific community and welcome from international researcher seniors. The next event PMA012 is already on track.

Total Agropolis Fondation funding: €20,051 (travel expenses, registration and lodging costs, publication costs)

Funding category(ies): Agropolis Fondation small grants (support for the organisation of high-level scientific events (conferences, seminars))

Project duration: 08 July 2009 - 31 January 2011

Keywords: Symposium – international – plant growth – modelling – simulation