Sino-French joint Laboratory In Computer Science, Control And Applied Mathematics

China Agricultural University

2003' International Symposium on Plant Modeling, Simulation, Visualisation and their Applications

First Announcement and Call for Papers
October 13-16,2003, Beijing,China

PMA03

PMA03 is a unique event for all scientists and industrials concerned by trees and plant architecture and functioning modeling, simulation and their applications in various fields.

This symposium is a great opportunity for multidisciplinary meets around real and virtual plant modeling and their applications in biology, agronomy, environmental sciences, teaching and multimedia.

The symposium will feature plenary lectures, tutorials, tools and technical application-oriented presentations and expositions.

PMA03will be held in Beijing, the political and cultural capital of China, in the best season for visiting.

Tutorial Session (Monday, Oct.13, 2003)

Three main courses, including practice sessions, are planned:

- Botanical and Eco-physiological knowledge relevant for modeling
- Mathematics (statistics and algorithms), automatons and other computational tools
- Applications of Plant Model in various areas

Scientific Sessions (Tuesday, Oct. 14-Thursday, Oct. 15.)

Scientific sessions will be held in parallel according to the main three topics:

- Plant Models and Simulations
- Modeling and simulation of the environmental factors affecting plant growth
- Computer graphics, 3D-Visualisation and Applications of modeling

Exhibition (Wednesday, Oct. 15 – Thursday, Oct. 16.)

Presentation of Posters, Prototype software tools, Commercial software tools

Scope and Topics

Conference topics should cover recent advances in the following areas:

- Mathematical and computer tools for modeling
- Modeling and simulation of plant structure (architecture, anatomy etc.) and functional processes;
- Modeling and simulation of environmental factors and processes (soil, climate) on plant growth
- Integration of existing models (soil, water, nutrient and crop etc.)
- Methodologies for sampling, observing, measuring and 2D/3D digitizing, GIS
- Visualization and computer graphics in plant environment modeling

General Chairs. Baogang Hu (CN), M. Jaeger (FR)

Tutorial Chairs. P. de Reffye (FR), Baogui Zhang (CN)

Program Chairs. P. de Reffye (FR), Baoguo Li (CN), O. Deussen (D), J. Hanan (AU), RAA Oldeman (NL), H. Vester (MEX)

Organized by LIAMA and CAU. With the support of CIRAD, INRA, INRIA, AFCRST, EU, IEEE, NSF

Web-site address: http://liama.ia.ac.cn/Pma/indexgb.htm **Email:** pma03@liama.ia.ac.cn

Important dates

Paper submission	2003, March 1
Notification	2003, May 1
Early registration	2003, May 1
Camera ready	2003, June 1