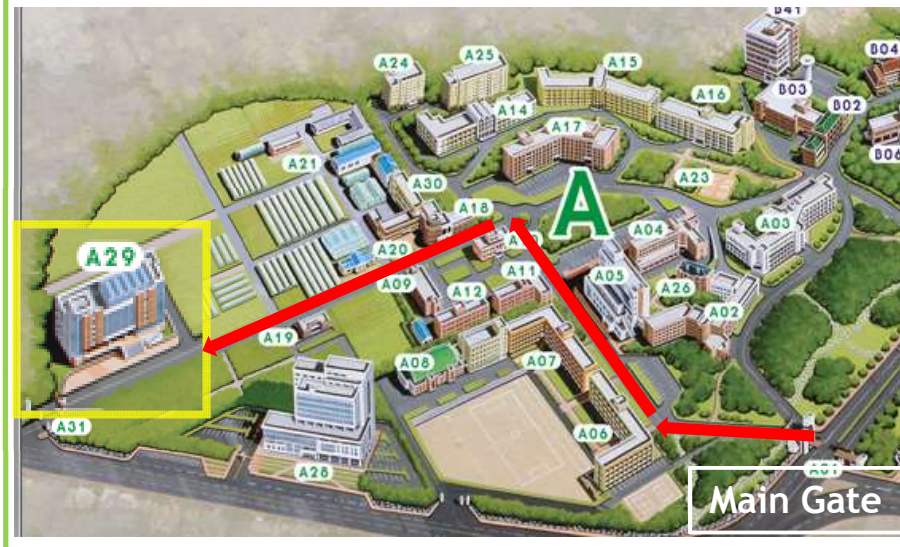


Symposium Location

Symposium location:
CALS Bldg. VI



Bio-energy Research Center,
Chonnam National University

Bio-energy Research Center, Chonnam National University,
77 Yongbongro, Bukgu, Gwangju 500-757. Republic of Korea
Phone. +82 62 530 0266 / Fax. +82 62 530 0029 / Homepage: <http://www.bri.or.kr>

The 6th Bio-energy & Biotechnology Symposium



The 3rd Wood Science and Biotechnology Symposium
2009



Vision

Passion

Future



November 23, 2012
College of Agriculture & Life Sciences

Organized and Sponsored by

Priority Research Center
Bioenergy Research Center, CNU [CNUXRC]
WCU program [Dept. Bioenergy Sci. & Tech.]
2nd Stage of Brain Korea 21
Baytech Korea Inc, ENB Group

The 6th Bio-energy & biotechnology Symposium

INVITATION

The 6th Bio-energy & biotechnology Symposium will be held on November 23th, 2012 at Chonnam National University (CNU).

It is great pleasure to invite you to the “*The 6th Bio-energy & biotechnology Symposium*”. This symposium is open to all aspiring students with the vision of enhancing bio-energy research, but also scientists from academia or industry. In this symposium, we will focus on current technology and recent advance biotechnology of bio-energy, and deal with environment and global warming.

It will play a key role in the professional development of new investigators by providing opportunities to meet and interact with leading senior scientists. “*The 6th Bio-energy & biotechnology Symposium*” aims to bring together researchers, engineers, and university students to exchange and share their experiences, new ideas, and research results.

In line with symposium, CNU members and leading senior scientists from domestic or oversea will be shared their opinions and nearly existing groups of technologies to formulate **BIO RESEARCH NETWORK** as a new agora in World.

I hope this symposium to be rewarding and valuable for participants.
I look forward to meet you.

Prof. Hyeun-Jong Bae

Director of Bioenergy Research Center, CNU

Scientific program

09:00-09:30 Registration

09:30-09:35 Introduction
- Hyeun-Jong Bae [Director of BRC]

09:35-09:40 Welcome Address
- Gap Chae Chung [Chief of SRC]

Session Chair Prof. Jae Won Lee [Chonnam Natl. Univ.]

09:40-10:10 Adya Singh [Kyungpook Natl. Univ.]
Combined and correlative microscopy in wood science and technology

10:10-10:40 Hideaki Matsumoto [Kibi Intl. Univ.]
Association of oxidative stress with aluminum toxicity recovery in pea root apex

10:40-11:00 Coffee Break

11:00-11:30 Ryo Funada [Tokyo Univ. of Agri. & Tech.]
Cellular biology of secondary xylem differentiation in trees

11:30-12:00 Joshi Chandrashekhar P. [Michigan Tech.]
Designing walls for better bioenergy production

12:00-13:30 Lunch (Cafeteria)

Session Chair Prof. Seong-Gene Lee [Chonnam Natl. Univ.]

13:30-14:00 Tripti Singh [SCION]
Biological pre-treatment on *Pinus radiata* substrates to enhance enzymatic digestion

14:00-14:30 Ivan Galis [Okayama Univ.]
Metabolic and structural changes in plants exposed to biotic stress conditions

14:30-15:00 Coffee Break

15:00-15:30 Keiji Takabe [Kyoto Univ.]
Glutathione stimulates the increase in wood biomass production

15:30-16:00 Eun Jin Cho [Bioenergy Center]
A reusable biomimetic magnetic nano enzyme for cellulosic biomass degradation

16:00 Closing Remark

18:00 Banquet