

Registration

- Fee : Student 20,000 Won
Non-Student 30,000 Won
- Location : APRI Auditorium Lobby

Workshop Venue

- Address : Advanced Photonics Research Institute,
GIST, 1 Oryong-dong, Buk-Gu,
Gwangju 500-712, Republic of Korea
- Phone : +82-62-970-3415~7
- Fax : +82-62-970-3419
- Web-site : <http://apri.gist.ac.kr>
- Transportation
 - By car : 3 minutes from Gwangsan IC
 - By taxi from Gwangju Bus Terminal : 30 minutes
 - By taxi from Gwangju Airport : 30 minutes
 - By taxi from Gwangju Station : 25 minutes

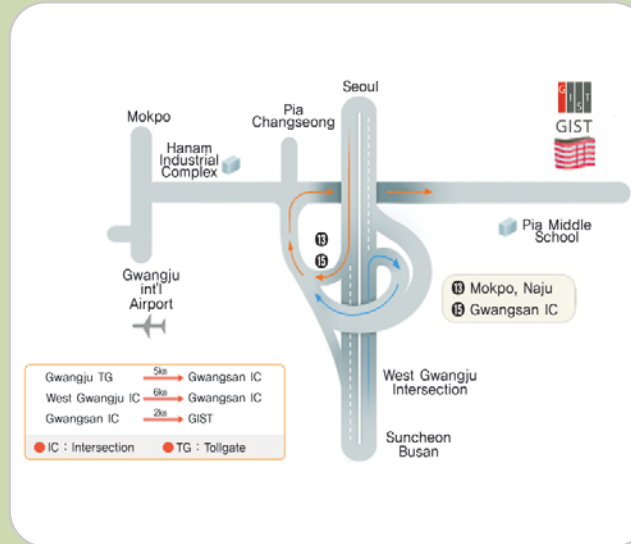
Accommodations

- Empire Hotel : +82-62-973-3400 (phone)
- GIST Guest House : +82-62-970-3374 (phone)

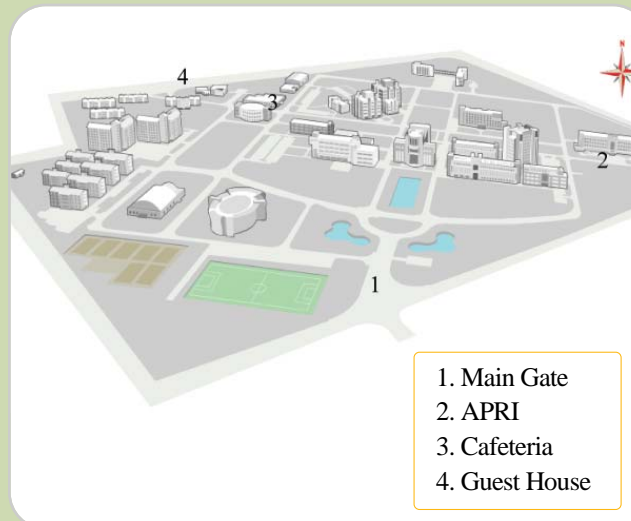
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Map

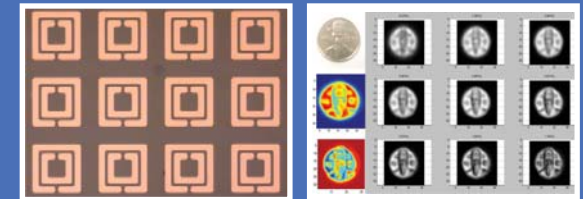
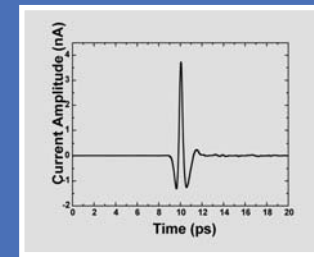


Campus Information



The 3rd Workshop on THz Technology

THz Technology 2007



November 2, 2007
APRI Auditorium, GIST
Gwangju, Korea

Organized by
Korea THz Forum (KTF)

In Cooperation with
Optical Society of Korea (OSK)
Korea Physical Society (KPS)
Korea Electromagnetic Engineering Society (KEES)

Supported by
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RESEARCH INSTITUTE

<http://apri.gist.ac.kr>

Welcoming Message

It is our great pleasure to welcome you to **the third workshop on THz technology, THz Technology 2007**. The THz workshop will be held on November 2, 2007 at the **Advanced Photonics Research Institute (APRI)** in GIST. To motivate and promote efforts toward THz researches in Korea, the THz Photonics Forum was organized in 2000. For past six years, research effort related to THz science and technology in Korea has been rapidly increasing and the THz Photonics Forum was expanded to the **Korea THz Forum (KTF)** in this year.

KTF organized **the first Korea-Japan Joint Workshop on THz Technology** held on August 25, 2007 at KIST with the THz Technology Forum of Japan and will organize an international conference, **IRMMW-THz 2009**. KTF keeps on playing a key role in promoting the THz activities in Korea.

THz Technology 2007 offers special tutorials to provide the fundamentals and applications of THz technology such as compact high-power THz generation and high-speed THz imaging. We welcome all of you and hope to see you in Gwangju.

Chul Sik Kee, Program Chair

Hanjo Lim, President of Korea THz Forum

Jongmin Lee, Director of APRI

Program

November 2 (Friday)		
THz Technology 2007		
10:00 -16:00	Registration	
10:30 -11:50	Tutorial Session	Chair : Dr. Chul Sik Kee (APRI)
10:30	(Tu-1) Compact CW High-Power THz Radiation Using Vacuum Electrons	Prof. Gun-Sik Park (Seoul National University)
11:10	(Tu-2) Spectroscopic THz Imaging and Its Applications	Dr. Yun Sik Jin (KERI)
11:50 -13:30	Lunch	
13:30 -13:40	Opening Remark & Welcoming Address	Prof. Jongmin Lee (Director of APRI)
13:40 -15:20	Technical Session I	Chair : Dr. Yun Sik Jin (KERI)
13:40	(TI-1) Generation of Intense THz Radiation by Using Relativistic Electrons	Dr. Young Uk Jeong (KAERI)
14:00	(TI-2) THz Radiation Facility Using Relativistic Electron Beam for Intense Single-Cycle THz Experiment	Dr. Heong Sik Kang (PAL)
14:20	(TI-3) Tunable Narrow-Band THz Generation in Quasi Phase Matching Structure Using Femtosecond Laser Pulse	Dr. Nan Ei Yu (APRI)
14:40	(TI-4) Design of Yagi-Uda Antenna in the THz Range	Prof. Ikmo Park (Ajou University)

15:00	(TI-5) Effects of Post-Growth Annealing on the Structure and Electro-Optical Properties of Low-Temperature Grown GaAs	Dr. Doo Hyeob Youn (ETRI)
15:20 -15:50	Photo & Coffee Break	
15:50 -17:30	Technical Session II	Chair : Prof. Ikmo Park (Ajou University)
15:50	(TII-1) THz Surface Wave Propagation on Metal Waveguide	Prof. Tae-In Jeon (Korea Maritime University)
16:10	(TII-2) Transmission Properties of THz Metamaterials	Dr. Chul Sik Kee (APRI)
16:30	(TII-3) THz Energy Focusing	Prof. Dai Sik Kim (Seoul National University)
16:50	(TII-4) THz Near Field Microscopy	Prof. Hae Wook Han (POSTECH)
17:10	(TII-5) Terahertz Characteristics of Colloidal Nano-Particles	Dr. Seung Jae Oh (Yonsei University)
17:30 -17:40	Coffee Break	
17:40 -18:00	Discussion Session	Chair : Prof. Hae Wook Han (POSTECH)
17:40	Perspective of THz Technology	Attendees
18:00 -18:10	Closing Remark	Prof. Hanjo Lim (General Director of KOSEF)