

2011 THz Workshop
民國百年兆赫科技研討會
National Tsing Hua University, Hsinchu, Taiwan
December 12, 2011

Dec 12, Monday		12月12日, 星期一
Venue : Room 019, Physics Building, NTHU		
09:00 – 09:10	Opening remarks 大會開幕致詞	<i>Chair: C. L. Pan</i>
09:10 – 09:40	High-power THz radiation sources <i>High power THz radiation sources developed in FIR FU- Gyrotrons FU and FU CW Series</i>	<i>Chair: C. L. Pan</i>
	Invited talk (Ia) Prof. T. Idehara (University of Fukui) 邀請講演 (Ia) 出原敏孝 教授(福井大學)	
09:40 – 10:00	<i>Desktop mW-MW Coherent THz-wave Sources</i> Invited talk (Ib) Prof. Yen-Chieh Huang (Institute of Photonics Technologies, NTHU) 邀請講演 (Ib) 黃衍介 教授(清華大學光電工程研究所)	
10:00 – 10:20	<i>Coherent THz Radiation from Ultrashort Electron Pulses</i> Invited talk (Ic) Dr. Wai-Keung Lau (National Synchrotron Radiation Research Center) 邀請講演 (Ic) 劉偉強 博士(國家同步輻射研究中心)	
10:20 – 10:40	Coffee break and poster session P1 茶敘及壁報欣賞 P1	
10:40 – 11:10	<i>Competition between Harmonic Cyclotron Maser Interactions in the Terahertz Regime</i>	<i>Chair: T. H. Chang</i>
	Invited talk (Id) 科學50 Prof. Kwo-Ray Chu (Department of Physics, NTU) 邀請講演 (Id) 科學50 朱國瑞 教授(台灣大學物理學系)	
11:10 – 11:30	<i>Study on THz Vacuum Electronic Sources Using FDTD PIC Simulations</i> Invited talk (Ie) Prof. Ming-Chieh Lin (Department of Physics, FJCU) 邀請講演 (Ie) 林銘杰 教授(輔仁大學物理系)	
11:30 – 11:50	<i>Stable harmonic multiplying gyrotron traveling-wave amplifiers with distributed wall losses and attenuating severs</i> Invited talk (If) Prof. Yi-Sheng Yeh (Department of Electro-Optical Engineering, STUT) 邀請講演 (If) 葉義生 教授(南台科技大學光電工程系)	
11:50 – 12:00	Group photo session 與會來賓團體照	

Dec 12, Monday		12月12日, 星期一
Venue : Room 019, Physics Building, NTHU		
12:00 – 14:00	Lunch break and poster session P2 午餐及壁報欣賞 P2	
14:00 – 14:30	THz Sensing and Applications <i>Development of efficient THz emitter and detector devices for terahertz time-domain spectroscopy</i>	Chair: K. R. Chu
	Invited talk (IIa) Prof. M. Tani (University of Fukui) 邀請講演 (IIa) 谷正彥 教授(福井大學)	
14:30 – 14:50	<i>Metamaterials with Multiple Resonances towards Complex Optical Functionalities</i> Invited talk (IIb) Prof. Ta-Jen Yen (Department of Materials Science and Engineering, NTHU) 邀請講演 (IIb) 嚴大任 教授(清華大學材料科學工程學系)	
14:50 – 15:10	<i>Comprehensive THz spectroscopic study of InN</i> Invited talk (IIc) Prof. Hyeyoung (Department of Photonics, NCTU) 邀請講演 (IIc) 安惠榮 教授(交通大學光電工程學系)	
15:10 – 15:30	<i>Terahertz-Pulse Electromagnetic Radiation due to Coherent Phonon-Polariton in <110> ZnTe Crystal</i> Invited talk (IId) Prof. Cheng-Chung Chi (Department of Physics, NTHU) 邀請講演 (IId) 齊正中 教授(清華大學物理學系)	
15:30 – 16:00	Coffee break and poster session P3 茶敘及壁報欣賞 P3	
16:00 – 16:30	<i>Recent Advances in sub-THz Photonic wireless Links with Data Rate beyond 20 Gbit/s</i>	Chair: C. W. Luo
	Invited talk (IIe) Prof. Ci-Ling Pan (Department of Physics, NTHU) 邀請講演 (IIe) 潘犀靈 教授(清華大學物理學系)	
16:30 – 16:50	<i>Slow relaxation dynamics of nano-confined water in MCM-41 probed by THz wave spectroscopy</i> Invited talk (IIIf) Prof. Chi-Kuang Sun (Department of Electrical Engineering, NTU) 邀請講演 (IIIf) 孫啟光 教授(台灣大學電機工程學系)	
16:50 – 17:10	<i>Generation of Terahertz Radiation from GaAs thin films</i> Invited talk (IIg) Prof. Kaung-Hsiung Wu (Electrophysics, NCTU) 邀請講演 (IIg) 吳光雄 教授(交通大學電子物理系)	
17:10 – 17:30	<i>The effects of two-photon absorption on terahertz radiation generated by femtosecond-laser excited photoconductive antennas</i> Invited talk (IIh) Prof. Chao-Kuei Lee (Department of Photonics, NSYSU) 邀請講演 (IIh) 李晁達 教授(中山大學光電工程學系)	
17:30 – 18:00	Panel discussion 兆赫科技論壇	