Agenda for the 7th SICAST, 2019

Sunday, November 17 th		
09:00-20:00	Registration	Location: Lia Charlton Hotel Shenzhen
Monday, November 18 th Location: Shenzhen talent Park		
09:00-09:45	Opening Ceremony	Chairs: Shenggang Liu Manfred Thumm Weixin Xie
	Opening Speech	Manfred Thumm
	Speech, Director of CAS	Tao Xu
	Speech, Mayor of Shenzhen C	-
	Speech, President of Shenzher	University
	Speech, Founder of SICAST	Shenggang Liu
09:45-10:00	Photos and Coffee Break	
	Session P-1	Chair: Manfred Thumm
PL-1 10:00-11:00	THz Near-Field Microscopy Fritz Keilmann Soft Condensed Matter Group, Germany	Ludwig-Maximilians-Universität, München,
PL-2 11:00-12:00	of Electromagnetic Waves Tiejun Cui	rom Fixed Functions to Intelligent Controls neter Waves, Southeast University, Nanjing,
12:00-14:00	Lunch	
	Session P-2	Chair: Shenggang Liu
PL-3	High-Frequency Gyrotrons for	DNP-NMR Spectroscopy
14:00-15:.00	Monica Blank Communications and Power Indu	
	Communications and Power Indus Gyrotrons – Natural Sources of	stries, Palo Alto, CA, USA High-Power High-Order Orbital Angular
PL-4	Communications and Power Indu Gyrotrons – Natural Sources of Momentum Millimeter-Wave Be	stries, Palo Alto, CA, USA High-Power High-Order Orbital Angular
	Communications and Power Indus Gyrotrons – Natural Sources of Momentum Millimeter-Wave Be Manfred Thumm	stries, Palo Alto, CA, USA High-Power High-Order Orbital Angular
PL-4	Communications and Power Indus Gyrotrons – Natural Sources of Momentum Millimeter-Wave Be Manfred Thumm	stries, Palo Alto, CA, USA High-Power High-Order Orbital Angular eams
PL-4 15:00-16:00	Communications and Power Indus Gyrotrons – Natural Sources of Momentum Millimeter-Wave Be Manfred Thumm Karlsruhe Institute of Technology	stries, Palo Alto, CA, USA High-Power High-Order Orbital Angular eams
PL-4 15:00-16:00	Communications and Power Indus Gyrotrons – Natural Sources of Momentum Millimeter-Wave Be Manfred Thumm Karlsruhe Institute of Technology Coffee Break Session P-3 Terahertz Photonics of Multiph Liquid Alexander Shkurinov	stries, Palo Alto, CA, USA High-Power High-Order Orbital Angular eams (KIT), IHM and IHE, Karlsruhe, Germany

Tuesday, N	November 19 th Location: Shenzhen University
	Session P-4 Chair: Alexander Shkurinov
PL-6 08:30-9:30	Metamorphic HEMT Technology for Millimeter-Wave and
	Sub-Millimeter-Wave Frequencies: Devices, Circuits, and Modules for
	Communication and Sensing
	Michael Schlechtweg
	Fraunhofer Institute for Applied Solid State Physics (IAF), Freiburg, Germany
PL-7 09:30-10:30	Terahertz-Driven Electron Emission: Physics and Applications
	Peter Uhd Jepsen
	Department of Photonics Engineering, Technical University of Denmark, Kongens
	Lyngby, Denmark
10:30-10:40	Coffee Break
	Session P-5 Chair: Biaobin Jin
PL-8	Metasurfaces for Controlling Terahertz Waves
10:40-11:40	Lei Zhou
10.40-11.40	Physics Department, Fudan University, Shanghai, China
11:40-14:00	Lunch
	Session K-1 Chair: Lei Zhou
	Tunable and Programmable Terahertz Metamaterials based on Liquid Crystal
KN-1	and Vanadium Dioxide
14:00-14:30	Biao-Bing Jin
14.00-14.50	Research Institute of Superconductor Electronics, School of Electronics Science
	and Engineering, Nanjing University, Nanjing, China
	Generation of Terahertz Vortex without any Need of Manipulation in the
KN-2	Terahertz Region
14:30-15:00	Shixiang Xu
11.00 10.00	College of Physics and Optoelectronic Engineering, Shenzhen University,
	Guangdong, China
KN-3	THz Metasurface for Phase/Polarization Manipulation and Imaging
15:00-15:30	Yiming Zhu
	University of Shanghai for Science and Technology, Shanghai, China.
KN-4	2D Materials-Based All-Optical Modulation Technology
15:30-16:00	Han Zhang
	Institute of Microscale Optoelectronics, Shenzhen University, Shenzhen, China.
16:00-16:10	Coffee Break
	SessionK-2 Chair: Franz X. Kärtner
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KN-5 16:10-16:40	Min Hu
	Terahertz Research Center, University of Electronic Science and Technology of
	China, Chengdu, China
KN-6 16:40-17:10	Optical Buffer in Photonic Crystal Slow Waveguide
	Zhengbiao Ouyang
	College of Electronics and Information Engineering, Shenzhen University,

	Shenzhen, China		
	Shonzhon , China		
	H-Type THz Photoconductive Antenna with All-Dielectric Nanostructur		
	Jianqiang Gu		
KN-7	Center for Terahertz Waves and College of Precision Instrument and		
17:10-17:40	Optoelectronics Engineering, Tianjin University, Tianjin, China		
17.10-17.40	Time-Domain Metasurfaces for Nonlinear Harmonic Manipulation		
KN-8	Qiang Cheng		
17:40-18:10	State Key Laboratory of Millimeter Waves, Southeast University, Nanjing, China		
77 10-10-1U	Functional Materials and their Applications in Terahertz Functional Devices		
KN-9	Fei Fan		
18:10-18:40	Institute of Modern Optics, Nankai University, Tianjin, China		
10 10 00			
18:40-20:00	Dinner		
Wednesda	y, November 20 th Location: Shenzhen University		
	Session P-6 Chair: Zhengbiao Ouyang		
	THz Accelerator based Electron and X-Ray Sources		
PL-9	Franz X. K ärtner		
08:30-9:30	Center for Free-Electron Laser Science, Deutsches Elektronen-Synchrotron DESY,		
	Hamburg, Germany		
PL-10	An Introduction to THz Astronomy		
09:30-10:30	Keping Qiu		
U2:3U-1U:3U	School of Astronomy and Space Science, Nanjing University, Nanjing, China		
10:30-10:40	Coffee Break		
	Session P-7 Chair: Peter Uhd Jepsen		
	Research Activities on Terahertz Science and Technology in Research Center		
PL-11	for Development of Far-Infrared Region, University of Fukui		
10:40-11:40	Masahiko Tani		
	Research Center for Development of Far-Infrared Region, University of Fukui,		
	Fukui, Japan		
11:40-14:00	Lunch		
	Session K-3 Chair: Masahiko Tani		
T731 40	Intelligent Reflecting Surface Enhanced 6G Terahertz Communication		
KN-10	Systems		
14:00-14:30	Zhi Chen		
	University of Electronic Science and Technology of China, Chengdu, China		
	Quantum Cascade Lasers Emission around the Reststrahlen Region of GaAs		
KN-11	and InP Material System		
14:30-15:00	Junqi Liu		
	Key Laboratory of Semiconductor Materials Science, Institute of Semiconductors,		
	Chinese Academy of Sciences, Beijing, China		
	Session K-4 Chair: Fritz Keilmann		
KN-12	Terahertz Frequency Combs based on Quantum Cascade Lasers		

15:00-15:30	Hua Li		
	Key Laboratory of Terahertz Solid State Technology, Shanghai Institute of		
	Microsystem and Information Technology, CAS, Shanghai, China		
	Spintronic Terahertz Emission with Manipulated Polarization (STEMP)		
	Xiaojun Wu		
KN-13	School of Electronic and Information Engineering, Beihang University, Beijing,		
15:30-16:00	China		
16:00-16:10	Coffee Break		
	Session P-8 Chair: Monica Blank		
PL-12	Terahertz Communications at 300 GHz: Devices, Packages and System		
16:10-17:10	Ho-Jin Song		
10:10-17:10	Pohang University of Science and Technology, Pohang, Republic of Korea		
	The Development of Broadband Millimeter-Wave and Terahertz Gyro-TWTs		
PL-13	Wenlong He		
17:10-18:10	College of Electronics and Information Engineering, Shenshen University,		
	Shenzhen, China		
18:10-20:00	Dinner		
Thursday, November 21st			
9:00	Leave		