

The 8th International Symposium on Intrinsic Josephson Effects and Plasma Oscillations in High-Tc Superconductors

June 10-13, 2012 Cesme, Izmir, Turkey

<http://plasma2012.iyte.edu.tr>

	June 10, Sunday	1 st day-June 11, Monday	2 nd day-June 12, Tuesday	3 rd day-June 13, Wednesday
8:45-9:00		Opening Ceremony		
9:00-9:25		INVITED TALK 1 THz Exp. I	INVITED TALK 13 THz Theo. II	INVITED TALK 21 THz Exp. III
9:25-9:50		INVITED TALK 2 THz Exp. I	INVITED TALK 14 THz Theo. II	INVITED TALK 22 THz Exp. III
9:50-10:15		INVITED TALK 3 THz Exp. I	INVITED TALK 15 THz Theo. II	INVITED TALK 23 THz Exp. III
10:15-10:40		INVITED TALK 4 THz Exp. I	INVITED TALK 16 THz Theo. II	INVITED TALK 24 THz Exp. III
10:40-11:00		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
11:00-11:25		INVITED TALK 5 THz Theo. I	INVITED TALK 17 Special Joseph.	INVITED TALK 25 Josephson Junc.
11:25-11:50		INVITED TALK 6 THz Theo. I	INVITED TALK 18 Special Joseph.	INVITED TALK 26 Josephson Junc.
11:50-12:15		INVITED TALK 7 THz Theo. I	INVITED TALK 19 Special Joseph.	INVITED TALK 27 Josephson Junc.
12:15-12:40		INVITED TALK 8 THz Theo. I	INVITED TALK 20 Special Joseph.	INVITED TALK 28 Josephson Junc.
12:40-13:20		LUNCH	LUNCH	LUNCH
13:20-14:00		LUNCH	LUNCH	LUNCH
14:00-14:25	Registration	INVITED TALK 9 THz Exp. II	EPHESUS TOUR	INVITED TALK 29 Theory
14:25-14:50	Registration	INVITED TALK 10 THz Exp. II	EPHESUS TOUR	INVITED TALK 30 Theory
14:50-15:15	Registration	INVITED TALK 11 THz Exp. II	EPHESUS TOUR	INVITED TALK 31 Theory
15:15-15:40	Registration	INVITED TALK 12 THz Exp. II	EPHESUS TOUR	INVITED TALK 32 Theory
15:40-16:00	Registration	COFFEE BREAK	EPHESUS TOUR	COFFEE BREAK
16:00-16:20	Registration	CONTRIBUTED TALK 1	EPHESUS TOUR	CONTRIBUTED TALK 7
16:20-16:40	Registration	CONTRIBUTED TALK 2	EPHESUS TOUR	CONTRIBUTED TALK 8
16:40-17:00	Registration	CONTRIBUTED TALK 3	EPHESUS TOUR	CONTRIBUTED TALK 9
17:00-17:20	Registration	CONTRIBUTED TALK 4	EPHESUS TOUR	CONTRIBUTED TALK 10
17:20-17:40	Registration	CONTRIBUTED TALK 5	EPHESUS TOUR	CONTRIBUTED TALK 11
17:40-18:00	Registration	CONTRIBUTED TALK 6	EPHESUS TOUR	CONCLUDING REMARKS
19:30-20:30	DINNER	DINNER		DINNER
20:30-21:30		POSTER	Gala Dinner	
21:30-22:30	Welcome Cocktail	POSTER	Gala Dinner	
22:30-23:30			Gala Dinner	

THz Experiment (I)

Kazuo Kadowaki	invited 1	Quantum Terahertz Electronics (QTE) Using Coherent Radiation from High Temperature Superconductor Bi₂Sr₂CaCu₂O_{8+δ} Intrinsic Josephson Junctions (IJJ's)	<i>University of Tsukuba, Japan</i>
Huabing Wang	invited 2	Terahertz Emission of Intrinsic Josephson Junctions at High Bias and Low Bias Regimes	<i>National Institute for Materials Science, Tsukuba, Japan</i>
Takanari Kashiwagi	invited 3	Radiation characteristics on single crystalline Bi₂Sr₂CaCu₂O_{8+δ} mesa structures	<i>University of Tsukuba, Japan</i>
Kensuke Nakajima	invited 4	Terahertz Wave Emission from Bi-2212 Thin Films Intrinsic Josephson Junctions with Mesa/Step Edge Hybrid Structure	<i>Yamagata University, Japan</i>

THz Theory (I)

Xiao Hu	invited 5	Theory for Josephson Plasma and Terahertz Radiation of Intrinsic Josephson Junctions	<i>National Institute for Materials Science, Tsukuba, Japan</i>
Tomio Koyama	invited 6	Numerical Study for Electromagnetic Wave Emission from Intrinsic Josephson Junction Stacks with a Dielectric Cover	<i>Tohoku University, Japan</i>
Shi-Zeng Lin	invited 7	Pattern Formation in Intrinsic Josephson Junctions and Terahertz Radiation	<i>Los Alamos National Laboratory, USA</i>
Niels F. Pedersen	invited 8	Microwave emission from Josephson junctions - GHz to THz	<i>Technical University of Denmark, Denmark</i>

THz Experiment (II)

Reinhold Kleiner	invited 9	Hot Spot and THz Wave Generation in Bi₂Sr₂CaCu₂O₈ Intrinsic Josephson Junction Stacks: Recent Developments	<i>University of Tübingen, Germany</i>
John F. Zasadzinski	invited 10	Fundamental Aspects of c-axis Tunneling in Bi₂Sr₂CaCu₂O_{8+δ} Mesas and Effects of Self Heating	<i>Illinois Institute of Technology, USA</i>

Tim M. Benseman	invited 11	Powerful coherent terahertz emission from Bi₂Sr₂CaCu₂O_{8+d} mesa array	<i>Argonne National Laboratory, Illinois, USA</i>
Alexander M. Klushin	invited 12	Coherent Emission of Niobium Junctions: Recent Results	<i>Institute for Physics of Microstructures RAS, Russia</i>

THz Theory (II)

Richard A. Klemm	invited 13	Modeling the THz Emission Patterns from Bi₂Sr₂CaCu₂O_{8+δ} Mesas of Various Shapes	<i>University of Central Florida, USA</i>
Hidehiro Asai	invited 14	Three-dimensional simulation of THz radiation emitted from Intrinsic Josephson junctions with hot spots	<i>University of Tsukuba, Japan</i>
Fedor V. Kusmartsev	invited 15	Terahertz Wave Emitting From Flux-Flow Oscillators and Long Josephson Junctions of a Complex Shape.	<i>Loughborough University, UK,</i>
Kazushige Machida	invited 16	Vortex Lattice Transformations in Multiband superconductors --A case study of MgB₂--	<i>Joint Institute for Nuclear Research, Russia</i>

Special Josephson Sec.

Hu-Jong Lee	invited 17	Gate Tuning of Macroscopic Quantum Phenomena in Graphene-Based Josephson Junctions	<i>Pohang University of Science and Technology, Korea</i>
Richard A. Klemm	invited 18	Phenomenological Models of Layered Superconductors	<i>University of Central Florida, USA</i>
Ziya Saglam	invited 19	Intrinsic flux of correlated electrons and holes for deepening in Intrinsic Josephson effects	<i>Aksaray University, Turkey</i>
Tsutomu Yamashita	invited 20	Get Over Terrible Disasters from Earthquake and Tsunami	<i>Tohoku University, Japan</i>

THz Experiment (III)

Itsuhiro Kakeya	invited 21	Effect of thermal inhomogeneity of intrinsic Josephson junction stack for excitation of synchronized terahertz Josephson plasma oscillations	<i>Kyoto University, Japan</i>
Vladimir Krasnov	invited 22	Coherent generation of phonon-polaritons in Bi-2212 intrinsic Josephson junctions	<i>Stockholm University, Sweden.</i>
Mehdi Fardmanesh	invited 23	Increasing THz Radiation Power and Monotonicity Using Optically Induced Photonic Crystal in Layered Superconductors	Sharif University of Technology, Iran
Yoshihiko Takano	invited 24	Superconducting Properties of K-doped Fullerene Nanowhiskers	

Josephson Junc.

Paul Müller	invited 25	Carrier Doping of Intrinsic Josephson Junctions by c-axis Current Injection	<i>Universität Erlangen-Nürnberg, Germany</i>
Paul A. Warburton	invited 26	Phase Diffusion in Intrinsic Josephson Junctions	<i>University College London, UK</i>
Yuri I. Latyshev	invited 27	Comparison of phase slippage processes in Josephson junctions and in charge density wave stacked junctions	<i>Kotelnikov Institute of Radio-Engineering and Electronics, Russia</i>
Yong-Joo Doh	invited 28	Josephson Effects in Topological Insulator Nanoribbons	<i>Korea University Sejong Campus, Korea</i>

Theory/Experiment

Hideki Matsumoto	invited 29	Revisit to Terahertz Wave Emission with Motions of Josephson Vortices	<i>Tohoku University, Japan</i>
Masahiko Machida	invited 30	Quantum Phases in Intrinsic Josephson Junctions: Quantum Magnetism Analogy	<i>Japan Atomic Energy Agency, Japan</i>
Yury Shukrinov	invited 31	Current Voltage Characteristics and Resonance Features of Coupled Josephson Junctions	<i>Joint Institute for Nuclear Research, Russia</i>

Alex E. Koshelev	invited 32	Synchronization in mesa array by radiation field inside base crystal/Phase diagram of frustrated proximity sandwich composed of s and s_± superconductors	<i>Argonne National Laboratory, Illinois, USA</i>
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THz (contributed I)

Lutfi Ozyuzer	talk 1	Terahertz Wave Emission from Layered Superconductors: Low Bias Measurements	
Takeshi Hatano	talk 2	Current induced lock-in phenomena in Y-123 and Bi-2212 IJJs under layer parallel magnetic field	<i>National Institute for Materials Science, Tsukuba, Japan</i>
Kazuto Hirata	talk 3	New Lock-in Phenomena in Intrinsic Josephson Junctions of Bi₂Sr₂CaCu₂O_{8+δ} with Hole-Array	<i>National Institute for Materials Science, Tsukuba, Japan</i>
Yilmaz Simsek	talk 4	Superconductivity induced by carrier injection into non-superconducting Bi₂Sr₂CaCu₂O₈	<i>Universität Erlangen-Nürnberg, Germany</i>
Ming He	talk 5	Millimeter-Wave Emitting from Intrinsic Josephson Junctions Fabricated with Misaligned Tl₂Ba₂CaCu₂O₈ Thin Film	<i>University of Nankai, China</i>
Mahmoud Gaafar	talk 6	Effect of Microwave Irradiation on Parametric Resonance in Intrinsic Josephson Junctions	<i>Menoufiya University, Egypt</i>

THz (contributed II)

Akinobu Irie	talk 7	THz emission and response of intrinsic Josephson junctions	<i>Utsunomiya University, Japan</i>
Jie Yuan	talk 8	Simultaneous Detection of THz Emission and Observation of LTSLM Images	<i>National Institute for Materials Science, Tsukuba, Japan</i>
Özden Aslan Çataltepe	talk 9	An Investigation of the Effect of Grain Size on Some Properties of Intrinsic Josephson Junction	<i>Gedik University, Turkey</i>

Mehmet Canturk	talk 10	Dynamics of resistively shunted Josephson junction (RSJ) under the influence of second harmonics	<i>Turgut Ozal University, Turkey</i>
Said Sakhi	talk 11	Vortex dynamics in self-dual Josephson junction arrays near the quantum critical point.	<i>American University of Sharjah, UAE</i>