

# The 6th GIST-European Universities Joint Workshop

Date : November 18 (Wed) – 19 (Thur), 2015

Venue : International Collaboration Building (Seongdo Hall), GIST

## Wednesday November 18, 2015

TIME	PROGRAM
09:30 ~ 10:00	<b>Registration and Coffee</b>
10:00 ~ 10:15	- <b>Opening Remarks</b> / President of GIST, Seung Hyeon Moon / Dean of IPA, Byoung Hun Lee  - <b>Photo Op</b>
10:15 ~ 10:45	<b>Introduction of CTU, SU, UBB, WUT and ULIM</b>
10:45 ~ 12:00	<b>Session 1</b> <b>Physics &amp; Optics</b> <b>1. Hyyong Suk</b> (GIST) Interactions of a high power laser beam and underdense plasmas <b>2. Milan Kalal</b> (CTU) Complex Interferometry Diagnostics Development Completed <b>3. Sargis Ter-Avetisyan</b> (GIST) Relativistic laser-based ion acceleration: short review of experimental evidences
12:00 ~ 13:20	<b>Lunch</b>
13:20 ~ 14:40	<b>Session 2</b> <b>Innovation and Technology Transfer and Education</b> <b>1. Kyi Hwan Park</b> (GIST) Introduction of GTI <b>2. Sorin Filipescu</b> (UBB) Fostering Innovation through Inter- and Multi-Disciplinary Approach <b>3. Iurie Coropceanu</b> (ULIM) Innovative teaching in IT : new approaches and expectations in Moldova
14:40 ~ 14:50	<b>Break</b>
14:50 ~ 15:45	<b>Session 3</b> <b>Mechatronics &amp; Computer Science</b> <b>1. Marek Pawlikowski</b> (WUT) Activity of the Faculty of Production Engineering, Warsaw University of Technology, in the field of Biomedical Engineering <b>2. Sun-Kyu Lee</b> (GIST) Innovative Manufacturing Technology in GIST
15:45 ~ 16:00	<b>Coffee Break</b>
16:00 ~ 17:20	<b>Session 4</b> <b>Materials Science</b> <b>1. Jong Seok Lee</b> (GIST) Terahertz-controlled magnetization state in a canted antiferromagnetic YFeO <sub>3</sub> <b>2. Małgorzata Lewandowska</b> (WUT) Nanodesign of Metallic Materials - Perspectives for Transport, Energy and Bioengineering applications <b>3. Myung-Han Yoon</b> (GIST) Flexible Printable Transparent Electronics

## Thursday November 19, 2015

TIME	PROGRAM
09:30 ~ 10:50	<b>Session 5</b> <b>Materials Science</b> <b>1. Bongjin Simon Mun</b> (GIST) Surface Science with Ambient Pressure XPS <b>2. Flaviu Turcu</b> (UBB) In Situ High-Pressure and -Temperature Magic Angle Spinning Nuclear Magnetic Resonance. Tools Development and Their Applications in Energy and Environmental Sciences. <b>3. Chi-Ok Hwang</b> (GIST) First- and last-passage Monte Carlo algorithms for charge density on a conducting surface : A review
10:50 ~ 11:10	<b>Coffee Break</b>
11:10 ~ 12:00	<b>Session 6</b> <b>Mechatronics &amp; Computer Science</b> <b>1. Jeong Ok Choi</b> (GIST) Some Results in labelings on Graphs and Posets and Possible applications in Computer Science <b>2. Nedyu Popivanov</b> (SU) Visualization - the bridge between Applied Mathematics and Computer Sciences
12:10 ~ 13:30	<b>Lunch</b>
13:30 ~ 15:00	<b>Session 7</b> <b>Physics &amp; Optics</b> <b>1. Youngjoo Chung</b> (GIST) Symbolic Computation with Applications to Mathematics and Physics <b>2. Ivan Buchvarov</b> (SU) A novel short pulse, high energy/power lasers in the mid-IR spectral range for material science and medical applications <b>3. Corneliu Sochichiu</b> (GIST) Lorentz symmetry and particle theories from graph
15:00 ~ 15:20	<b>Coffee Break</b>
15:20 ~ 16:00	<b>Review and Discussions</b>
16:00	<b>Closing Remarks</b> / Chair, Hyyong Suk