

Japan Society for the Promotion of Science (JSPS) US Alumni Association

**2<sup>nd</sup> Multidisciplinary Science Forum**

**Western Michigan University**

**Kalamazoo, USA**

**October 28, 2011**

**Organizing Committees**

**JSPS-US Alumni Association Executive Committee:**

Blanca Chattin-Kacouris (Chairperson, Representative for At-Large Group)  
Shamim Mirza (Vice Chairperson, Representative for Math and Physics Group)  
Dawn Doutrich (Representative for Biology and Medical Science Group)  
Ying Hu (Representative for Chemistry Group)  
Ranil Wickramasinghe (Representative for Engineering Group)  
Dajin Peng (Representative for Social Science and Humanity Group)

**Western Michigan University:**

Stephen Covell (Chair in Dept. of Comparative Religion, and Director of Japan Soga Center)  
Michael Famiano (Associate Professor in Department of Physics)

**JSPS Washington Office:**

Hiroataka Sugawara (Director), Fumiyo Kaneko (Associate Director)  
Junichi Kawabata (Adviser), Tetsuo Goda (Adviser), Thet Win (Liaison Officer),  
Junya Seino (International Program Associate), Yohei Kaneko (International Program Associate)

**Friday, October 28, 2011**  
**Bernhard Center, Western Michigan University**

9:00 – 9:30 a.m.	Registration and Poster Set up at Brown and Gold Room (second floor)	
9:30 - 10:00 a.m.	<p>Welcome and Opening – <i>Rooms 105, 106, 107</i>  <i>Dr. Blanca Chattin-Kacouris, Chairperson of JSPS-US Alumni Association</i>  <i>Dr. John M. Dunn, President of Western Michigan University</i>  <i>Dr. Alex Enyedi, Dean of the College of Arts and Sciences</i>  <i>Dr. Hirotaka Sugawara, Director of JSPS Washington Office</i></p>	
10:00 - 11:00 a.m.	<p>Keynote Address – Prof. Sir Anthony Leggett, Nobel Laureate (<i>Rooms 105, 106, 107</i>)  <i>Can superconductors help with environmental and energy problems?</i></p>	
11:00 - 11:20 a.m.	Break (coffee and refreshments) <i>Brown and Gold Room (Second Floor)</i>	
11:20 a.m. – 12:40 p.m.	<b><i>Session One: Math and Physics, and Engineering – Rooms 105, 106, 107</i></b>	
	Invited Speakers	Title of Presentations
	<p>Toshitaka Kajino  - University of Tokyo, Department of Astronomy, Graduate School of Science</p> <p>Masaru Yarime  - University of Tokyo, Graduate School of Frontier Sciences</p>	<p>Cosmology and the Formation of Elements in the Universe</p> <p>Sustainability Science as a Multidisciplinary Science for Understanding Complex Interactions between Natural, Human, and Social Systems</p>
	Oral Presentations: Math and Physics – Shamim Mirza; Engineering – Ranga Narayanan	
12:40- 2:00 p.m.	<p>Luncheon - <i>Rooms 208, 209 (Second Floor)</i>  Taiko Presentation and Fund Raising for Japan Relief  Address by Special Guest Mr. Kuninori Matsuda, Consul General of Japan in Detroit</p>	
2:00 - 3:30 p.m.	<b><i>Session Two: Chemistry, Biology and Medical Science – Rooms 105, 106, 107</i></b>	
	Invited Speakers	Title of Presentations
	<p>Ross M. Welch  - USDA-ARS, Robert W. Holley Center for Agriculture and Health</p> <p>Brian Iritani  - University of Washington, Department of Comparative Medicine</p>	<p>Improving Human Nutrition From the Ground Up: Linking Agriculture to Human Health</p> <p>Fnip1: A novel metabolic regulator controlling B Lymphocyte development, transformation, and whole-body metabolism</p>
	Oral Presentations: Chemistry – Md. Khabir Uddin; Biology and Medical Science – M. Anowarul Islam, John Eimes	

3:30 - 3:40	Break (coffee and refreshments) <i>Brown and Gold Room (Second Floor)</i>	
3:40 – 5:20 p.m.	<b><i>Session Three: Social Sciences – Rooms 105, 106, 107</i></b>	
	Invited Speakers	Title of Presentations
	Michael Waggoner - University of Northern Iowa	International Developments in Religion & Education: Contexts and Controversies
	Satoko Fujiwara - University of Tokyo	Establishing Religion through Textbooks: The Paradox of Religion Teaching (Teaching about Religions) in Japan
	Haruko Ishii - Hokkai-Gakuen University	Theories and Strategies of Developing Cross-cultural Sensitivity; Applying Experiences in Japan
	Oral Presentation: Social Science and Humanities – Anthony Halog	
5:20 –5:50 p.m.	<b><i>Student Panels</i></b>	
	<b>Invited Students</b> - Lu Bai (University of South Florida) - Jingsong Chen (Zhongnan University of Economics and Law, China) - Lingyue Huang (Illinois Institute of Technology)	<b>Western Michigan University</b> - Lydia M. Walker - Sean Butler
5:50-6:30 p.m.	<b>Poster Presentations <i>Brown and Gold Room (Second Floor)</i></b> Break (coffee) <i>Brown and Gold Room (Second Floor)</i>	
6:30 - 8:00 p.m.	Welcome Dinner per Invitation - <i>Rooms 208, 209 (Second Floor)</i>	
Available All Day	Poster Viewing <i>Brown and Gold Room (Second Floor)</i> Math and Physics – Baofeng Feng Chemistry – Ying Hu Biology and Medical Science – Dexue Fu, Shahidul Islam, Longjian Liu, Daniel Moralejo Engineering – Adam J. Mellott, Brian Johnson, David Grzenia, Justin Weaver, Ranil Wickramasinghe Social Sciences – Kazuto Matsuda, Anthony Halog, Blanca Kacouris, Dawn Doutrich, Student Panels: Yosef Manik, Binod Neupane, Xingxin Yu, Liuja Zhnng	