



ThERMEC'
2009



ThERMEC' 2009

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General Information

Identification Badge

Participants and accompanying persons are kindly requested to wear their personal name badge during all Conferences events.

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Plenary Lectures

Two Plenary Lectures (one by **Prof. Akihisa Inoue, Japan** and the other one by **Prof. Eduard Arzt, Germany**) will take place **on Tuesday August 25th, 2009 and Wednesday August 26th, 2009** respectively in the Hall (Conference floor level) of the **MARITIM Hotel**, Stauffenberg Str. 26, Berlin.

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Location of Parallel Sessions

Nine parallel sessions will take place in nine rooms at the **MARITIM Hotel**. Location of the rooms are given in the hotel floor plan included in this website.

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Message Board

Personal Messages and Program changes will be announced on the message board in the registration desk area. We strongly suggest that you check the message board every day.

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Telephone

Several public telephones are available in the hotel foyer.

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Lunches and Coffees

Lunches are served at the **MARITIM Hotel** on **August 25th, 26th, 27th and 28th from 12.45 pm to 2.30 pm**. Please make sure that you take your luncheon during this duration. **Coffee breaks will take place from August 25th to August 28th in the mid morning and mid afternoon. On August 29th, 2009 there are coffee breaks in the morning only.**

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Office Facilities at Hotel

If you want to make any photocopies or any other office work, please contact the Maritim Hotel about these facilities. A hotel will charge you for any items you require.

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THERMEC 2009 Proceedings Your Manuscript Inclusion

The papers will be included in the conference proceedings and in the periodical after the manuscripts are reviewed by the **Program Committee**. The review process is over but a considerable number of authors have not returned their revised manuscripts to us yet which is causing a delay in the publication of the proceedings. Due to unavoidable circumstances, the conference proceedings is now expected to be ready by December 2009 and **Trans Tech Publishers** will mail you the copy of the proceedings once ready.

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Registration Desk

All delegates and companions should register for the conference and collect their name badges and papers at the Registration Desk, which is situated in the Grand Hall at the **MARITIM Hotel**, Stauffenberg Str. 26, Berlin.

Monday, August 24, 2009

Registration Desk will be opened **from 4.00 pm to 6.00 pm in the Grand Hall**. We strongly recommended that you please try to register on this day.

Tuesday to Saturday , August 25-29, 2009

Registration Desk will be opened from **7.30 am to 6.00 pm** (except on **August 29th, 2009 when it will be opened until 2:00 pm**) during the conference period.

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Parallel Sessions at the Maritim Hotel

Following are 9 (nine) parallel sessions (A to I) which will run concurrently in the nine rooms at the **MARITIM Hotel** and room names are given below. Please check your paper presentation time and session/date/room location carefully. Room's locations can be found in the hotel floor plan included on this website.

The sessions are held in the following rooms in the **MARITIM Hotel**:

Session MOSCOW (Room
A: 1)

Session LONDON (Room
B: 4+5)

Session MADRID (Room



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Plenary & Keynote Speakers

Plenary Speaker

Professor Akihisa Inoue: President - Tohoku University, Japan
Professor Edward Arzt: Leibnitz Institute for New Materials, Saarland University, Germany

The list below is of the internationally known researchers to deliver keynote lectures at **THERMEC' 2009**

Keynote Speakers:

Fujio Abe, <i>Japan</i>	Ch. Genzel, <i>Germany</i>	B. Mishra, <i>USA</i>
Sudarsanam Suresh Babu, <i>USA</i>	Günter Gottstein, <i>Germany</i>	C. Mitterer, <i>Austria</i>
B. Bacroix, <i>France</i>	K. Higashi, <i>Japan</i>	R. Montanari, <i>Italy</i>
J. Banhart, <i>Germany</i>	H. F. Hildebrand, <i>France</i>	D. Mantovani
J. Baumeister, <i>Germany</i>	A. A. Howe, <i>U.K.</i>	H. Nakajima, <i>Japan</i>
H. K. D. H. Bhadeshia, <i>U.K.</i>	Bo-Young Hur, <i>Korea</i>	M. Niinomi, <i>Japan</i>
Wolfgang Bleck, <i>Germany</i>	M. Jeandin, <i>France</i>	C. S. Paglia, <i>USA</i>
N. K. Bourne, <i>U.K.</i>	D. Jeulin, <i>France</i>	Vitalij K. Pecharsky, <i>USA</i>
N. P. Brandon, <i>U.K.</i>	K. U. Kainer, <i>Germany</i>	E. V. Pereloma, <i>Australia</i>
Yves Bréchet, <i>France</i>	Hyoung Seop Kim, <i>Korea</i>	Xuanhui Qu, <i>P.R. China</i>
F. G. Caballero, <i>Spain</i>	Y-W. Kim, <i>USA</i>	D. Raabe, <i>Germany</i>
L. Ceschini, <i>Italy</i>	C. J. Kirkpatrick, <i>Germany</i>	V. Randle, <i>U.K.</i>
Woong-Seong Chang, <i>Korea</i>	C. Klinkenberg, <i>Germany</i>	T. Sakai, <i>Japan</i>
Jeff Th. M. De Hosson, <i>Netherlands</i>	Pamela Kobryn, <i>USA</i>	Oleg D. Sherby, <i>USA</i>
Anthony J. DeArdo, <i>Finland</i>	E. Kozeschnik, <i>Austria</i>	P. Sittner, <i>Czech Republic</i>
Han Dong, <i>P.R. China</i>	D. Kwon, <i>Korea</i>	J. L. Strudel, <i>France</i>
D. V. Edmonds, <i>U.K.</i>	Ohjoon Kwon, <i>Korea</i>	R. Taillard, <i>France</i>
M. Endo, <i>Japan</i>	D. N. Lee, <i>Korea</i>	Setsuo Takaki, <i>Japan</i>
Olaf Engler, <i>Germany</i>	Jai Sung Lee, <i>Korea</i>	P. Van Houtte, <i>Belgium</i>
P. Ermanni, <i>Switzerland</i>	C. Leyens, <i>Germany</i>	P. J. Withers, <i>U.K.</i>
Horst E. Friedrich, <i>Germany</i>	S. Linderoth, <i>Denmark</i>	F. Witte, <i>Germany</i>
Georg Frommeyer, <i>Germany</i>	R. E. Loge, <i>France</i>	R. Yang, <i>P.R. China</i>
E. Gaffet, <i>France</i>	David K. Matlock, <i>USA</i>	Y. D. Zhang, <i>France</i>
M. G. D. Geers, <i>Netherlands</i>	T. R. McNelley, <i>USA</i>	



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SESSION I5: Metallic Glasses/Bulk Metallic Amorphous Materials I

Day: August 27, 2009 (Thursday), 8:50 AM - 1:20 PM
Room: DUBLIN (Room 21)

Chairperson:J. C. Huang, Taiwan
Masahiko Ikeda, Japan

8:50 AM

***Formation Of New Cobalt Bulk Glassy Alloys**

Baolong Shen, *Ningbo Institute of Materials Technology and Engineering, P.R. China*

9:10 AM

Microscale Deformation Behavior Of Amorphous/Nanocrystalline Multilayered Pillar

J. C. Huang, M. C. Liu, Y. H. Lai, H. S. Chou, X. H. Du, T. G. Nieh, *National Sun Yat-Sen University, Taiwan*

9:30 AM

***Viscosity Of Metallic Glass Forming Liquids: Analysis Based On Bond Strength-Coordination Number Fluctuations**

Masaru Aniya, Masahiro Ikeda, *Kumamoto University, Japan*

9:50 AM

***Ni-Based Bulk Glassy Alloy With Enhanced Compressive Strength And Plasticity At Cryogenic Temperatures**

A. Kawashima, Y. Q. Zeng, M. Fukuhara, H. Kurishita, N. Nishiyama, A. Inoue, *Tohoku University, Japan*

10:10 AM - 10:40 AM Coffee Break

10:40 AM

***Devitrification In Cu-Zr Binary Metallic Glasses: Energetics, Structure, And Dynamics**

R. E. Napolitano, I. Kalay, M. J. Kramer, *Iowa State University, USA*

11:00 AM

***The Prediction Of Glass-Forming Compositions In Metallic Systems - The Development Of New Bulk Metallic Glasses**

K. J. Laws, K. F. Shamlaye, B. Gun, K. Wong, M. Ferry, *University of New South Wales, Australia*

11:20 AM

***Inhomogeneous Amorphous Structure Of Bulk Metallic**

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Glasses Examined From Structural Relaxation Kinetics

O. Haruyama, R. Wada, M. Kohda, Y. Yokoyama, N. Nishiyama, T. Egami, *Tokyo University of Science, Japan*

11:40 AM

*The Role Of Casting Temperature In Preparation Of Bulk Metallic Glasses

Hao Wang, Z. W. Zhu, H. F. Zhang, P. Hodgson, Z. Q. Hu, *University of Southern Queensland, Australia*

12:00 PM

*Molecular Dynamics Study On Structural Relaxation Of Metallic Glasses

M. Shimono, H. Onodera, *National Institute for Materials Science, Japan*

12:20 PM

Fragility Of Superheated Melt And Metallic Glass-Forming Ability

Xiufang Bian, *Shandong University, P.R. China*

12:40 PM

*Atomic-Scale Structural And Chemical Characterization Of Melt-Spun Al-Ni-Gd Metallic Glasses

S. Hirose, G. J. Shiflet, T. Sato, K. Matsuda, *Yokohama National University, Japan*

1:00 PM

*Mechanical Properties Of Dynamic Nanostructure Controlled Zr-Al-Ni-Cu-Based Bulk Metallic Glasses

J. Saida, A. D. Setyawan, H. Kato, A. Inoue, *Tohoku University, Japan*

1:20 PM - 2:00 PM Lunch Break

* Indicates Invited Paper



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