

KINKEN WAKATE 2011 in conjunction with International Symposium of Global COE: Materials Integration and ASPT2011

International Symposium of Global COE "Materials Integration" in conjunction with the 2nd International Symposium on Advanced Synthesis and Processing Technology for Materials (ASPT2011) and KINKEN WAKATE 2011 was held in Sendai on December 1-2, 2011. 40 scientists based overseas (including four invited lecturers) got together at the symposium with 125 researchers from Tohoku University (including 90 students) and 16 other guests and enjoyed enthusiastic discussion over most advanced subjects in the field.

Global COE for "materials integration" held its last international symposium. To mark the end of the five-year program sponsored by the Ministry of Education, Culture, Sports, Science and Technology, the symposium was held in conjunction with the 2nd International Symposium on Advanced Synthesis and Processing Technology for Materials(ASPT2011) and KINKENWAKATE 2011: 8th Materials Science School for Young Scientists. The attendees were enjoyed enthusiastic discussion over most advanced subjects in the field. Many researchers of our GCOE had a chance to share their latest research results with the world's top materials scientists through oral and poster presentations. The program is as follows:

Thursday, 1 December 2011

08:30-09:00 Registration

09:00-09:10 Opening ceremony

Opening address by chair of symposium and KINKEN WAKATE 2011, Prof. T. Goto (Tohoku Univ., Japan)

Opening address by co-organizer of ASPT2011, Prof. Z.Y. Fu (Wuhan Univ. Technol., China)

09:10-09:50 Keynote lecture 1

"Spark plasma sintering activities in Europe during the 2000's: a review", Prof. Mats Nygren (Stockholm Univ., Sweden)

09:50-10:30 Keynote lecture 2

"Probing nanoscale surfaces and interfaces – the scientific opportunities and challenges", Prof. Jian-Min Zuo (Univ. Illinois Urbana-Champaign, USA)

10:50-11:30 Keynote lecture 3

"The role of hydrogen in energy storage", Prof. Dr. Andreas ZÜTTEL (EMPA, Switzerland)

11:30-12:10 Keynote lecture 4

"Racetrack memory: the motion of domain walls in response to spin currents", Dr. Stuart S.P. Parkin, (IBM Almaden Research Center, San Jose, USA)

14:00-16:00 Concurrent sessions

16:00-16:20 Coffee Break

16:20-18:00 Concurrent sessions

18:00-18:30 Break

18:30- Banquet

Friday, 2 December 2011

09:00-10:20 Concurrent sessions

10:20-10:40 Coffee Break

10:40-12:00 Concurrent sessions

12:00-13:30 Lunch

12:30-13:30 Poster Session

13:30-14:50 Concurrent sessions

14:50-15:10 Coffee Break

15:10-16:30 Concurrent sessions

16:30-17:30 Poster Session

17:30-18:00 Award Ceremony for Best Presentations

We appreciate all participants for their contributions leading great success of this symposium

Contact to

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<http://www.gcoe.imr.tohoku.ac.jp/en/event/internationalsymposium2011memory.html>



Fig. 1: Group photograph



Fig. 2: Poster presentation