



# 4th German-Japanese Symposium on Nanostructures 4th International Symposium on Nanostructures

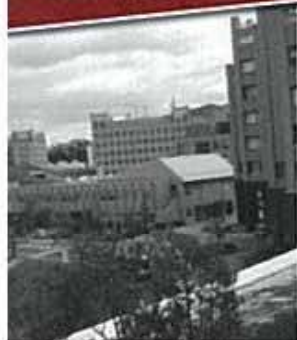
*March 6-8, 2011  
Kusatsu/ Kyoto, Japan*

OZ-11 will provide a small but first-class technical programme to cover aspects in a niche and at the same time super important field of nanostructured materials in applied science and technology.

## *Technical Programme*

- Mechanical Alloying
- High Energy Milling
- Reactive Milling
- Severe Plastic Deformation
- Microstructural Design
- Nano-Meso-Hybride Structures
- Hot Isostatic Pressing, Hot Extrusion
- MIM, CIM, Spark Plasma Sintering
- Plasma Coating Techniques

**no parallel sessions  
no conference fee  
no exhibition cost**  
but first class speakers and exhibitors  
from a small but excellent society.



in "nanostructure" applications such as

- Nanocrystalline & Amorphous Materials
- ODS, MMC, MCC, CCC
- M/C-Polymer compounds & WPC
- Battery & Hydrogen Storage
- Mechanical Properties, Fatigue, Simulation etc

in the field of advanced materials for industry, life, energy and nature-saving

## *Submission of Abstracts*

Please find abstract submission guidelines and all other important information under [www.zoz.de](http://www.zoz.de)

## *OZ-11 Exhibition*

The OZ-11 Exhibition that will be held in conjunction with the Symposium, offers an excellent opportunity for international suppliers to the nanostructure-related industry to make new contacts, to win business potential and to contribute to a positive atmosphere for delegate and exhibitor integration. Further information, please find at [www.zoz.de](http://www.zoz.de)





*Thanks to all Speakers, Exhibitors  
and Attendees*



The first OZ-event (OZ-08) was held super successfully at Siegen/Germany in March 2008 followed by OZ-09 at Kusatsu/Kyoto in 2009 in Japan. OZ-10, the last meeting held at Wenden in March 2010 again and impressively demonstrated that it is possible to bring high ranking key persons from global key industry together for a super interesting and successful event if proper conditions are given.

## *Why Nanostructures?*

We are here today, thinking about tomorrow. We will be much more people on this planet and we will need more food, clothes etc. And for this we need much more energy function resulting in the need for much more material function!

Every day sun & moon are emitting the annual energy need of mankind or more which results in solar, wind, geothermic, tides...

The fundamental questions are how to collect, how to store and how to transport energy. And for this we need materials!

Since material is a basically ending resource, we need to think about recycle & performance. Performance will be a key with respect to the application and with respect to the material itself. The goal is less material for more application/function.

And today & tomorrow this is represented by NANOTRUCTURE.

*(Henning Zoz, March 2010 at OZ-10)*

OZ-event is held every second year in Germany close to Zoz and every second year in Japan close to RITS. The first session-day is always the first Monday in the month of March. The Sunday before is for arrival, registration and get-together and insofar will be listed in the schedule. The conference dinner will always be on Monday evening.

For further information around travel, accommodation, social programme and tours, please contact [travel@zoz.de](mailto:travel@zoz.de) or check

[www.zoz.de](http://www.zoz.de)

**R**  
RITSUMEIKAN



**Zoz  
Group**



The event is organised by Zoz Group and Ritsumeikan University and mainly financed by the Ministry of Education, Culture, Sports, Science and Technology, Japan under the Overseas Education Program of the Ritsumeikan Graduate School of Science and Engineering.

## 「第4回日独ナノ材料国際シンポジウム」

(4th International Symposium on Nanostructures and 4th German-Japanese Symposium on Nanostructures)

開催日時：2011年3月6日（日）～2011年3月8日（火）

会 場：立命館大学 ローム記念館 5F 大会議室

（滋賀県草津市野路東 1-1-1）

参 加 費：無料

主 催：立命館グローバル・イノベーション研究機構（R-GIRO）

『自然共生型機械材料高効率利用プロジェクト』（プロジェクトリーダー：飴山 恵）

共 賛：立命館大学 総合理工学研究機構「粉体工学研究センター（予定）」、

Zoz GmbH（ドイツ）

後 援：独立行政法人科学技術振興機構 JST イノベーションサテライト滋賀

## プログラム

### < 1日目> 2011年3月6日（日）

18:00～20:00 レセプション

### < 2日目> 2011年3月7日（月）

10:00～10:30 歓迎&コンサート

10:30～12:00 セッション1

12:00～13:00 セッション2

13:00～14:30 昼食、展示会&ポスター

14:30～15:30 セッション3

15:30～16:30 セッション4

16:30～19:00 コーヒーブレイク、展示会&ポスター

19:00～21:00 ディナー&文化プログラム

### < 3日目> 2011年3月8日（火）

10:00～11:30 セッション5

11:30～13:00 セッション6

13:00～14:30 昼食、展示会&ポスター

14:30～15:30 セッション7

15:30～16:30 セッション8

16:30～19:00 コーヒーブレイク、展示会&ポスター

19:00～21:00 展示会

[セッションテーマ]

ナノ構造材料、エネルギー関連材料、機能性材料、これらの材料の特性評価、信頼性評価、等に関連した基礎研究テーマおよび応用研究テーマ

以上