

**7 Polish-Japanese Joint Seminar on Micro and Nano Analysis**  
**7 – 10 September 2008, Warsaw, Poland**

**PROGRAMME OF THE SEMINAR**

**Sunday, September 7**

18:00 – 19:00    Registration  
19:00            Welcome Reception

**Monday, September 8**

9:00 – 9:10     Opening

**Session A1**

*Chairs: S. Ikeno, I. Sosnowska*

**9:10 – 9:35**        **A1.1. PURPLE AND ULTRAVIOLET ARTS – To the Millennium of ‘The Tale of Genji’** written by Murasaki-Shikibu  
J. Matějková-Plskova, S. Shiojiri, M.J. Chen, J.R. Yang and **M. Shiojiri**

**9:35 – 10:00**      **A1.2. BIOLOGICAL APPLICATION OF TRANSMISSION ELECTRON MICROSCOPY**  
**A. Marszałek** and W. Biczysko

**10:00 – 10:25**    **A1.3. LOCAL STATE ANALYSIS BY STEM-EELS EQUIPPED WITH A NANOTIP-FEG**  
**H. Kurata**, S. Isoda and T. Tomita

10:25 – 10:45    *Coffee Break*

**Session A2**

*Chairs: Y. Kitano, A. Marszałek*

**10:45 – 11:10**    **A2.1. HRTEM STUDIES OF NiNbZr + Ag AMORPHOUS-NANOCRYSTALLINE COMPOSITES**  
**J. Dutkiewicz**, L. Lityńska, A. Kovacova, Ł. Rogal, W. Maziarz

**11:10 – 11:35**    **A2.2. NANOSTRUCTURE DYNAMICS OF MATERIALS UNDER QUANTUM BEAMS IN MB-HVEM**  
**S. Watanabe**, S. Kayashima, S. Yatsu and M. Kawai

**11:35 – 12:00**    **A2.3. TEM AND SEM STUDIES OF RAFTING IN 4<sup>TH</sup> GENERATION Ni-BASE SUPERALLOY**  
M. Zięta, A. Cetel and **A. Czyska-Filemonowicz**

12:00 – 14:00    *Lunch Break*

## Session B1

*Chairs: H. Takahashi, E. Jezierska*

- 14:00 – 14:25**      **B1.1.** ELECTRON MICROSCOPY OF THE  $\beta$ -TYPE AND  $\alpha$ -TYPE NICKEL HYDROXIDE FOR NICKEL METAL-HYDRIDE BATTERIES  
**Y. Kitano**, M. Morishita, T. Takeya and T. Sakai
- 14:25 – 14:50**      **B1.2.** STRUCTURAL PROPERTIES OF GaMnAs NANOWIRES  
**P. Dłużewski**, J. Sadowski, S. Kret, J. Dąbrowski, K. Sobczak
- 14:50 – 15:15**      **B1.3.** L1<sub>0</sub>-STRUCTURE FORMATION OF FePtCu NANOPARTICLES AT 613 K USING RF-MAGNETRON SPUTTERING  
**Y. Hirotsu**, Han Wool Ryu, K. Sato and M. Ishimaru
- 15:15 – 15:35      *Coffee Break*

## Session B2

*Chairs: M. Matsuda, J. Dutkiewicz*

- 15:35 – 16:00**      **B2.1.** STRUCTURAL PROPERTIES OF BIOGENIC ARAGONITE AND CALCITE. A REVIEW  
**R. Przeniosło**
- 16:00 – 16:25**      **B2.2.** STUDY OF NANO-MICROSTRUCTURES ON SCC IN 316L STAINLESS STEEL  
**H. Takahashi**, Ishibashi, T. Kato, N. Sakaguchi, S. Watanabe
- 16:25 – 16:50**      **B2.3.** HRTEM AND LACBED METHODS FOR DEFECTS RECOGNITION IN GaN EPILAYERS  
**E. Jezierska**

## Tuesday, September 9

### Session C1

*Chairs: H. Saijo, A. Czyrska-Filemonowicz*

- 9:00 – 9:25**      **C1.1.** INVESTIGATION OF PIEZOELECTRIC EFFECT IN BARIUM TITANITE THIN FILMS USING PIEZORESPONSE FORCE MICROSCOPY  
**T. Gotszalk**, G. Wielgoszewski, J. Szmidt, P. Firek, A. Werbowy
- 9:25 – 9:50**      **C1.2.** EFFECT OF SILVER ADDITION ON PRECIPITATES IN Al-Mg-Si ALLOYS  
**K. Matsuda**, J. Nakamura, T. Kawabata, T. Sato, S. Ikeno
- 9:50 – 10:15**      **C1.3.** MICROSTRUCTURE AND PROPERTIES OF HOT COMPACTED POWDER OF ALUMINIUM ALLOYS  
**L. Lityńska-Dobrzyńska**, J. Dutkiewicz, W. Maziarz, A. Kanciruk
- 10:15 – 10:40**      **C1.4.** TEM ANALYSIS OF HIGH-COERCIVE Nd-Fe-B SINTERED MAGNETS TREATED BY TB-METAL VAPOR SORPTION  
**N. Watanabe**, H. Umemoto, M. Ishimaru, M. Itakura, M. Nishida, Y. Tomokiyo, K. Machida
- 10:40 – 11:00      *Coffee Break*

## Session C2

*Chairs: S. Watanabe, T. Gotszalk*

- 11:00 – 11:25**      **C2.1. ELECTRON MICROSCOPY FOR ORGANIC MOLECULES**  
**S. Isoda**, M. Haruta and H. Kurata
- 11:25 – 11:50**      **C2.2. MICROSTRUCTURE OF RAPIDLY QUENCHED Fe-Cu-BASED ALLOYS WITH LIQUID MISCIBILITY GAP**  
**T. Koziel**, Z. Kędzierski, A. Zielińska-Lipiec and J. Latuch
- 11:50 – 12:15**      **C2.3. STRUCTURE AND STATE ANALYSIS WITH SPECTROMETRIC FULL-COLOR CATHODOLUMINESCENCE MICROSCOPY**  
**H. Saijo** and M. Shiojiri
- 12:15 – 14:00      *Lunch Break*

## Session D1

*Chairs: S. Isoda, P. Dłużewski*

- 14:00 – 14:25**      **D1.1. NEUTRON SCATTERING STUDIES OF MULTIFERROICS. A REVIEW**  
**I. Sosnowska**
- 14:25 – 14:50**      **D1.2. MICRO-STRUCTURE AND MICRO-ANALYSIS OF FSW 2024-T3 Al ALLOY USING ELECTRON MICROSCOPY**  
**E. Sakedai**, T. Maebara and T. Yokayama
- 14:50 – 15:15**      **D1.3. HRTEM AND ELECTRON HOLOGRAPHY STUDIES OF STRENGTHENING PARTICLES IN INCONEL 718 SUPERALLOY**  
**B. Dubiel**, E. Stępniewska, P. Formanek, D. Geiger and A. Czyska-Filemonowicz
- 15:15 – 15:35      *Coffee Break*

## Session D2

*Chairs: Y. Hirotsu, R. Przeniosło*

- 15:35 – 16:00**      **D2.1. MICROSTRUCTURE AND PROPERTIES OF ALUMINUM OXYNITRIDE FILMS PREPARED BY R.F. REACTIVE SPUTTERING**  
**M. Nose**, S. Ueda, T. Kawabata, A. Saiki, T. Nagae, K. Terayama, S. Ikeno
- 16:00 – 16:25**      **D2.2. EFFECT OF INTERMETALLIC PRECIPITATIONS ON PITTING CORROSION RESISTANCE OF A 2205 DUPLEX STAINLESS STEEL**  
**A. Zielińska-Lipiec** and A. Ziewiec
- 16:25 – 16:50**      **D2.3. STRUCTURAL ANALYSIS OF LAYERED DOUBLE PEROVSKITES  $\text{La}_2\text{CuSnO}_6$  BY HAADF-STEM**  
**M. Haruta**, H. Komatsu, H. Kurata, M. Azuma, Y. Shimakawa and S. Isoda
- 19:30                      *Conference Dinner*

## Wednesday, September 10

### Session E1

*Chairs: S. Y. Tomokiyo, L. Lityńska-Dobrzyńska*

- 9:00 – 9:25**      **E1.1.** THE UTILIZATION OF FOCUSED ION BEAM TECHNOLOGY ON BIOMEDICAL SAMPLES  
**H.L.Hing**, M.A. Kaswandi, A.Z. Sahalan, Y. Muranaka, I. Ohta, K. Sano, T. Nihira, S. Harashima C. Burkhardt, P. Gnauck, S. Sally and H. Gelderbloms
- 9:25 – 9:50**      **E1.2.** THE ASYMMETRY OF PLANAR DEFECT DENSITY IN 3C-SiC GROWN ON DISORIENTED SILICON SUBSTRATES.  
**S. Kret**, A. Szczepańska, M. Zieliński, T. Chassagne, M. Portail
- 9:50 – 10:15**      **E1.3.** LOCAL STRUCTURE ANALYSIS OF METASTABLE IRON SILICIDES FORMED IN THE Fe ION IMPLANTED Si  
**M. Naito** and M. Ishimaru
- 10:15 – 10:40**      **E1.4.** NEW APPROACH TO CATHODOLUMINESCENCE STUDIES IN APPLICATION TO InGaN/GaN LASER DIODE DEGRADATION  
**A. Czerwiński**, M. Pluska, J. Ratajczak, J. Kącki, L. Marona, R. Czernecki, M. Leszczyński, P. Perlin
- 10:40 – 11:00      *Coffee Break*

### Session E2

*Chairs: H. Kurata, A. Czerwiński*

- 11:00 – 11:25**      **E2.1.** ANALYSIS OF SILICIDES FORMATION FOR SCHOTTKY BARRIER CONTACTS APPLICATIONS  
**J. Kącki**, J. Ratajczak, A. Łaszcz, A. Czerwiński, F. Phillipp, N. Reckinger, X. Tang, G. Larrieu, E. Dubois
- 11:25 – 11:50**      **E2.2.** Cs-CORRECTED HIGH-RESOLUTION ANALYTICAL STEM  
**T. Oikawa** and M. Kawasaki
- 11:50 – 12:15**      **E2.3.** MICROSTRUCTURE OF BALL MILLED AND COMPACTED Co-Ni-Al ALLOYS FROM  $\beta$  RANGE  
**W. Maziarz**, J. Dutkiewicz, L. Rogal, J. Grzonka, E. Cesari
- 12:15 – 12:20      *Closing Remarks*