Preliminary Program

5th International Conference on
Electrophoretic Deposition: Fundamentals and Applications

October 5-10, 2014
Hernstein, Austria

Conference Chair
Prof. Aldo R. Boccaccini
Department of Materials Science and Engineering
University of Erlangen-Nuremberg, Germany

Conference Co-Chairs
Prof. Omer Van der Biest
Department of Metallurgy and Materials Engineering
Katholieke Universiteit Leuven, Belgium

Prof. James Dickerson
Center of Functional Nanomaterials
Brookhaven National Laboratory, USA

Dr. Tetsuo Uchikoshi
National Institute for Materials Science
Japan

Engineering Conference International
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www.engconfintl.org – info@engconfintl.org
Sunday, October 5, 2014

16:00 – 18:00  Conference Check-in
18:00 – 20:00  Welcome Reception and Dinner

Notes

- Technical sessions will be in the (TBA).
- Poster Sessions will be in the (TBA).
- Meals will be held in the Panorama Restaurant.
- Audiotaping, videotaping and photography of presentations are prohibited.
- Speakers – Please have your presentation loaded onto the conference computer prior to the session start (preferably the day before).
- Speakers – Please leave at least 3-5 minutes for questions and discussion.
- Please do not smoke at any conference functions.
- Turn your mobile telephones to vibrate or off during technical sessions.
- Be sure to make any corrections to your name/contact information on the Master Participant List or confirm (by your initials) that the listing is correct. A corrected copy will be sent to all participants after the conference.

About Schlos Hernstein

Hernstein Castle stands at the base of a forested precipice, below the ruin of a 12th century defense tower. Today's castle was built between 1727 and 1730, when Count Karl Joseph von Heussenstein turned a manor house into a stately home with a chapel. In 1798 the estate passed to Baron Heinrich von Müller who created the park and built the dam to form the artificial lake with its island. Archduke Ludwig, a nephew of Emperor Franz II, commissioned Theophil von Hansen who, from 1856-1880, redesigned the castle to become one of the most important English gothic buildings in Austria. The wonderfully romantic appearance of the building with its four wings continues to delight and enthrall to the present day.

Since the 1960s, the castle has undergone extensive restoration and refurbishment and has been extended with modern, but unobtrusive buildings which today contain the seminar hotel. The historic rooms in the castle are mostly preserved in their original state and are today used as meeting and seminar rooms.
Monday, October 6, 2014

07:30 – 08:30  Breakfast buffet

08:30 – 08:45  Conference Introduction

**SESSION I: FUNDAMENTALS OF EPD I**

**Session Chair:** O. van der Biest

08:45 – 09:15  **Keynote**

FUNDAMENTALS AND ADVANCED APPLICATIONS OF ELECTROPHORETIC DEPOSITION (EPD)
Partha Sarkar
Environment and Carbon Management Division, Alberta Innovates-Technology Futures.
Edmonton, Alberta, Canada

09:15 – 09:35  SUBSTRATE SELECTION AND MANAGEMENT STRATEGIES FOR AQUEOUS EPD.
Peter Hope
LHV Coatings Ltd. Coleshill, UK

09:35 – 09:55  EFFECT OF ELECTRODE REACTIONS DURING AQUEOUS EPD ON BULK SUSPENSION PROPERTIES AND DEPOSITION QUALITY.
Laxmidhar Besra
Institute of Minerals and Materials Technology (IMMT), Bhubaneswar, India

09:55 – 10:15  THE USE OF IONIC LIQUIDS: A REAL GREEN CHEMISTRY ALTERNATIVE IN THE ELECTRODEPOSITION AND ELECTROPHORETIC DEPOSITION PROCESSES?
Gregorio Vargas
CINESTAV-Saltillo

10:15 – 10:35 EFFECT OF ELECTRIC DOUBLE LAYER CHARACTERISTICS ON CHAIN FORMATION OF CERAMIC NANOPARTICLES.
Babak Raissi
Materials and Energy Research Center (MERC), Iran

10:35 – 11:00  Coffee Break

**SESSION II: FUNDAMENTALS OF EPD II**

**Session chair:** Laxmidhar Besra

11:00 – 11:20 ELECTROPHORETIC (INFILTRATION) DEPOSITION OF THICK CONDUCTING SUBSTRATES
Aljaž Ivekovič
Jožef Stefan Institute, Slovenia

11:20 – 11:40 INFLUENCE OF LIGANDS ON THE MOBILITY OF NANOPARTICLES DURING THE ELECTROPHORETIC DEPOSITION.
Stephan Barcikowski
Technical Chemistry I, University of Duisburg-Essen, Germany

11:40 – 12:00 UNDERSTANDING THE COLLOIDAL BEHAVIOR OR BIOGLASS 45S5® TO OBTAIN BIOACTIVE-Glass BASED SOFT COATINGS BY EPD
Sandra Cabanas-Polo
Institute of Biomaterials, Department of Material Science and Engineering, University of Erlangen-Nuremberg, Germany
12:00 – 14:00  Lunch
14:00 – 16:30  Ad hoc sessions and/or free time
16:30 – 17:00  Afternoon Coffee

SESSION III: NOVEL APPROACHES AND MODELING
Session chair: Stephan Barcikowski

17:00 – 17:30  Keynote
ADVANCES IN MICROSCALE AND NANOSCALE MECHANISMS OF ELECTROPHORETIC DEPOSITION IN AQUEOUS MEDIA
Guido Falk
University of Saarland, Structural and Functional Ceramics, Germany

17:30 – 17:50  TOWARDS PHENOMENOLOGICAL UNDERSTANDING OF ELECTROPHORETIC DEPOSITION OF BRUSH-LIKE PARTICLES FOR SOLID POLYMER ELECTROLYTES
Diana Golodnitsky
Tel Aviv University, Israel

17:50 – 18:10  CELL ROTATION UNDER DIELECTROPHORETIC FORCES
Guigen Zhang
Department of Bioengineering and IBOE, Clemson University, USA

18:10 – 18:30  HYDRODYNAMIC MODELING OF ELECTROCODEPOSITION ON A ROTATING CYLINDER ELECTRODE
Alexaner Vakhrushev
Institute of Mechanics, Ural Branch of the Russian Academy of Sciences, Russia

18:30 – 18:50  PARTICLE-PARTICLE INTERACTION UNDER DIELECTROPHORESIS FOR RAPID PATTERNING
Guigen Zhang
Department of Bioengineering and IBOE, Clemson University, USA

19:30 – 21:00  Dinner
21:00 – 22:00  Social Hour
Tuesday, October 7, 2014

07:30 – 08:30 Breakfast buffet

SESSION IV: FUNCTIONAL FILMS AND DEPOSITS I
Session chair: Tetsuo Uchikoshi

08:30 – 09:00 Keynote
ELECTROPHORETIC DEPOSITION OF COLLOIDAL NANOPARTICLES AND NANOSHEETS
Atsunori Matsuda
Toyohashi University of Technology, Japan

PARALLEL SESSION A

09:00 – 09:20 PIEZOELECTRIC ELEMENTS FOR MULTI-ELEMENT LINEAR-ARRAY TRANSDUCERS PREPARED BY ELECTROPHORETIC DEPOSITION
Danjela Kuscer
Jožef Stefan Institute, Slovenia

09:20 – 09:40 NICKEL OXIDE/NICKEL COMPOSITE AS SUPERCAPACITOR ELECTRODE VIA ELECTROPHORETIC DEPOSITION
Zoilo González
Instituto de Cerámica y Vidrio (CSIC), Spain

09:40 – 10:00 NICKEL-COBALT DOUBLE HYDROXIDE AND OXIDE DECORATED CARBON NANOTUBES VIA AQUEOUS ELECTROPHORETIC DEPOSITION TOWARDS CATALYTIC APPLICATIONS
Desheng D. Meng
Multi-Scale Energy Systems (MuSES) Lab, Department of Mechanical and Aerospace Engineering, The University of Texas at Arlington, USA

10:00 – 10:20 NANOMANUFACTURED HYBRID CARBON NANOMATERIALS FOR IMPROVED ENERGY STORAGE DEVICES USING ELECTROPHORETIC ASSEMBLY
Cary Pint
Vanderbilt University, USA

10:20 – 10:40 ELECTROPHORETIC DEPOSITION OF APATITE TYPE LANTHANUM SILICATES FOR SOFC HALF-CELL PRODUCTION
Omer Van der Biest
Katholieke Universiteit Leuven, Belgium

PARALLEL SESSION B

SESSION V: EPD IN CERAMIC PROCESSING I
Session Chair: Begoña Ferrari

09:00 – 09:20 ELECTROPHORETIC METHOD FOR FABRICATING POROUS CERAMICS – APPLICATION TO DIFFERENT OXIDE MATERIALS
Kirsten Moritz
Technische Universität Bergakademie Freiberg, Institute of Ceramics, Glass and Construction Materials, Germany

09:20 – 09:40 MICROSTRUCTURE AND DIELECTRIC PROPERTIES RELATIONSHIP OF SR4ND2Ti4Nb6O30TUNGSTEN BRONZE THICK FILMS PREPARED BY ELECTROPHORETIC DEPOSITION
Paula. M. Vilarinho
University of Aveiro, Portugal
09:40 – 10:00  FABRICATION AND CHARACTERIZATION OF 3-D PHOTONIC CRYSTALS OF VARIOUS MICROSPHERES BY ELECTROPHORETIC SELF-ASSEMBLY
Rong-Fuh Louh  
Feng Chia University, Taiwan

10:00 – 10:20  MULTILAYERED CERAMIC CONSTRUCTS CREATED BY EPD
Carolina Mochales  
“Charité” Universitätmedizin, Germany

10:20 – 10:40  INFLUENCE OF FORMULATION ADDITIVES ON THE ELECTROPHORETIC MOBILITY AND CORROSION RESISTANCE ENAMEL VITREOUS COATING OBTAINED BY ELECTROPHORETIC DEPOSITION
Josemari Muñoz  
Fundación CIDETEC, Spain

10:40 – 11:20  Coffee Break

SESSION VI: FUNCTIONAL FILMS AND DEPOSITS II
Session chair: Paula M. Vilarinho

11:20 – 11:50  Keynote
POROUS VANADIUM PENTOXIDE FILMS BY SOL ELECTRODEPOSITION FOR ENERGY STORAGE APPLICATION
Guozhong Cao  
University of Washington, USA

11:50 – 12:10  ELECTROPHORETIC DEPOSITION OF LAYERED AND BLENDED PHOSPHORS FOR WHITE SOLID STATE LIGHTING
Jan Talbot  
University of California-San Diego, USA

12:10 – 12:30  ELECTROPHORETIC DEPOSITION OF PHOSPHOR MATERIAL FOR WHITE LIGHT CONVERSION IN LEDS
Ion Stoll  
OSRAM Opto Semiconductors GmbH, Germany

12:30 – 12:50  DEVELOPMENT OF THERMOELECTRIC FILMS BY ELECTROPHORESIS DEPOSITION
Daryoosh Vashaee  
Oklahoma State University, USA

13:00 – 14:30  Lunch

14:30 – 18:00  Optional excursion to Vienna
Ad hoc sessions and/or free time

18:30 – 19:30  SESSION VII: POSTER SESSION I

19:30 – 21:00  Dinner

21:00 – 22:00  Social Hour
PARALLEL SESSION C

SESSION VIII-C: EPD OF BIOMATERIALS AND BIOLOGICAL ENTITIES I
**Session Chair:** Aldo R. Boccaccini

08:30 – 09:00  
**Keynote**  
ALTERNATING CURRENT ELECTROPHORETIC DEPOSITION (AC-EPD) OF BIOMOLECULE COATINGS  
Bram Neirinck  
Katholieke Universiteit Leuven, Belgium

09:00 – 09:20  
ELECTROPHORETIC DEPOSITION OF POROUS Ti COATINGS FOR BONE IMPLANTS: IN VITRO AND IN VIVO EVALUATION  
Annabel Braem  
Katholieke Universiteit Leuven, Belgium

09:20 – 09:40  
ELECTROPHORETIC DEPOSITION OF HYDROXYAPATITE AND BIOACTIVE GLASSES COATINGS ON THE Ti6AlV ALLOY SUBJECTED TO SURFACE MECHANICAL ATTRITION TREATMENT  
Joel Faure  
Reims University, France

09:40 – 10:00  
NOVEL BIOCOMPOSITE HYDROXYAPATITE/GRAPHENE COATINGS ON TITANIUM SUBSTRATE ASSEMBLED BY ELECTROPHORETIC DEPOSITION  
Vesna Miskovic-Stankovic  
University of Belgrade, Serbia and Montenegro

10:00 – 10:20  
SURFACE MODIFICATION OF BIODEGRADABLE Mg ALLOY BY ELECTROPHORETIC DEPOSITION OF DIOPSIDE/BREDIGITE/FLUORIDATED HYDROXYAPATITE NANOCOMPOSITE COATING TO IMPROVE ITS CORROSION RESISTANCE AND BIOCOMPATIBILITY  
Lobat Tayebi  
Oklahoma State University, USA

10:20 – 10:50  
Coffee Break

SESSION IX-C: EPD OF BIOMATERIALS AND BIOLOGICAL ENTITIES II
**Session Chair:** Bram Neirinck

10:50 – 11:10  
DEVELOPMENT AND CHARACTERISATION OF COMPOSITE BIOACTIVE COATINGS OBTAINED BY ELECTROPHORETIC DEPOSITION  
Fatemehsadat Pishbin  
Department of Materials, Imperial College London, UK

11:10 – 11:30  
ELECTROPHORETIC DEPOSITION OF NTIO2-NBG/ALGINATE COMPOSITE COATING FOR BONE REPLACEMENT APPLICATIONS  
Luis Cordero-Arias  
Institute of Biomaterials, Department of Material Science and Engineering, University of Erlangen-Nuremberg, Germany

11:30 – 11:50  
ELECTROPHORETIC DEPOSITION AS A BIOFABRICATION TECHNIQUE  
Aldo Boccaccini
12:30 – 14:00   Lunch
14:00 – 16:30   Ad hoc sessions and/or free time
16:30 – 17:00   Afternoon Coffee

**SESSION X-C: EPD OF BIOMATERIALS AND BIOLOGICAL ENTITIES III**
**Session chair:** Aldo R. Boccaccini

**17:00 – 17:20** BIOGLASS®-TiO₂-Ag COMPOSITE COATINGS WITH ANTIBACTERIAL EFFECT OBTAINED BY ELECTROPHORETIC DEPOSITION
 María José Santillán
 National Cuyo University, Argentina

**17:20 - 17:40** MECHANICAL AND BIOLOGICAL PROPERTIES OF REDUCED GRAPHENE OXIDE-HYDROXYAPATITE COMPOSITE COATING FABRICATED BY ELECTROPHORETIC DEPOSITION
 Saeid Baradaran
 University of Malaya, Malaysia

**17:40 – 18:00** INFLUENCE OF ORGANIC MODIFIER LOADING ON PARTICLE DISPERSION OF BIODEGRADABLE POLYCAPROLACTONE/NATURAL MONTMORILLONITE NANOCOMPOSITES
 Onsy Dimitry
 Egyptian Petroleum Research Institute, Egypt

**18:00 – 18:20** ELECTROPHORETIC DEPOSITION OF CHITOSAN-GRAPHENE OXIDE NANOCOMPOSITE COATINGS ON TITANIUM IMPLANTS
 Abdolreza Simchi
 Sharif University of Technology, Iran

**18:30 – 20:15** **STUDENT CONTEST (Rapid firing presentations)**

**20:15 – 22:00** Dinner
Wednesday, October 8, 2011

07:30 – 08:30   Breakfast

**PARALLEL SESSION D:**

**SESSION VIII-D: NANOSTRUCTURED MATERIALS AND FILMS I**  
*Session Chair:* James H. Dickerson

08:30 – 09:00  
**Keynote**  
ELECTROPHORETIC DEPOSITION AS A ROUTE TO FORMATION OF HIGHLY ORDERED SEMICONDUCTOR NANOROD ASSEMBLIES ON SUBSTRATES  
Kevin M. Ryan  
University of Limerick, Ireland

09:00 – 09:20  
TOWARD THE FULL YIELD OF THE EPD PROCESS FOR SHAPING HIGHLY ORIENTED FILMS MADE OF PLATELET-LIKE NANOSTRUCTURES  
Begoña Ferrari  
ICV-CSIC, Spain

09:20 – 09:40  
ELECTROPHORETIC DEPOSITION OF NANOPARTICLES: DESIGNING NANOSTRUCTURES  
Alejandro Vázquez  
Universidad Autónoma de Nuevo León, Mexico

09:40 – 10:00  
TITANIA NANOPARTICLE FILM PREPARED BY ELECTROPHORETIC DEPOSITION WITH DC CONSTANT CURRENT CONDITION  
Yasushige Mori  
Doshisha University, Japan

10:00 – 10:20  
ELECTROPHORETIC CO-DEPOSITION OF CdSe-TiO₂ NANOCOMPOSITE  
Khatijah Yaacob  
Universiti Sanis Malaysia, Malaysia

10:20 – 10:50  
Coffee Break

**SESSION IX-D: NANOSTRUCTURED MATERIALS AND FILMS II**  
*Session Chair:* Jan Talbot

10:50 – 11:10  
EPD AS A POWERFUL TOOL TO CONTROL THE DEPOSITION PROCESS OF DENSE AND POROUS FILMS USING SOL-GEL TECHNOLOGY  
Yolanda Castro  
ICV-CSIC, Spain

11:10 – 11:30  
ELECTROPHORETIC DEPOSITION OF NANOPARTICLES FOR CONTROLLED OPTICAL PROPERTIES  
Guillaume Toquer  
ENSCM, France

11:30 – 11:50  
TOWARD DYNAMIC CONTROL OF NANOPARTICLE MONOLAYERS FABRICATED BY ELECTROPHORETIC DEPOSITION  
James H. Dickerson  
CFN-Brookhaven National Laboratory, USA

12:30 – 14:00   Lunch
14:00 – 16:30  Ad hoc sessions and/or free time

16:30 – 17:00  Afternoon Coffee

**SESSION X-D: NANOSTRUCTURED MATERIALS AND FILMS III**

**Session chair:** Alejandro Vazquez

17:00 – 17:20  ELECTROPHORETIC DEPOSITION OF NANOPARTICLES AS ELECTROCATALYSTS FOR ELECTROLYSIS IN THE SOLAR SULFUR AMMONIA HYDROGEN PRODUCTION CYCLE  
Jan Talbot  
University of California at San Diego, USA

17:20 - 17:40  ELECTROPHORETIC DEPOSITION OF MULTI-SIZED TITANIA NANOPARTICLES TO FABRICATE EXTREMELY ROBUST MESOPOROUS FILMS ON DIFFERENT SUBSTRATES WITHOUT BINDERS OR ADDITIVES-APPLICATION TO DYE-SENSITIZED SOLAR CELLS  
Nima Parsi Benehkohal  
McGill University, Canada

17:40 – 18:00  INFLUENCE OF MWCNT CONCENTRATION ON THE ELECTROCHEMICAL PERFORMANCE OF PULSE ELECTRODEPOSITED SN-NI-MWCNT COMPOSITE ANODE FOR LITHIUM-ION BATTERIES  
Hatem Akbulut  
Sakarya University, Turkey

18:00 – 18:20  SUSPENSION STABILIZATION AND ELECTROPHORETIC DEPOSITION OF MICROWAVE HYDROTHERMALLY SYNTHESIZED DOPED AND UN-DOPED BIFEO3 NANOPARTICLES FOR PHOTOCATALYTIC APPLICATIONS  
Chiara Ponzoni  
University of Modena and Reggio Emilia, Italy

18:30 – 20:15  **STUDENT CONTEST (Rapid firing presentations)**

20:15 – 22:00  Dinner
Thursday, October 9, 2011

07:30 – 08:30  Breakfast buffet

SESSION XI: POLYMERS AND COMPOSITE COATINGS
Session chair: Kevin Ryan

08:30 – 09:00  Keynote
ELECTROPHORETIC DEPOSITION AT THE INTERFACE OF IMMISCIBLE LIQUIDS
Cullen Buie
Massachusetts Institute of Technology, USA

PARALLEL SESSION E
09:00 – 09:20  MICROSTRUCTURE OF CARBON AND BORON NITRIDE INTERPHASES ON SIC FIBERS IN SICF/SIC COMPOSITES FORMED BY EPD PROCESS
Katsumi Yoshida
Tokyo Institute of Technology, Japan

09:20 – 09:40  ELECTROPHORETIC DEPOSITION OF LIGNIN REINFORCED POLYMER COATINGS
M. Federica De Riccardis
ENEA, Italy

09:40 – 10:00  THICK COMPOSITE MAGNETOELECTRIC FILMS PRODUCED BY ELECTROPHORETIC DEPOSITION
Carmen Galassi
CNR-ISTEC, Italy

10:00 – 10:20  A NOVEL ELECTROPHORETIC DEPOSITION PROCESS TO PRODUCE DIELECTRIC AND ANTICORROSION EPOXY-SILICATE NANOCOMPOSITE FILMS.
Ashok Kumar Shukla
MVJ College of Engineering, India

PARALLEL SESSION F

SESSION XII: EPD IN CERAMIC PROCESSING II
Session Chair: Andrew Pascall

09:00 – 09:20  Cu$_3$TeO$_6$ THICK FILMS: PROCESSING BY ELECTROPHORETIC DEPOSITION AND ELECTRICAL CHARACTERIZATION
Paula M. Vilarinho
University of Aveiro, Portugal

09:20 – 09:40  ELECTROPHORETIC CLASSIFICATION OF ULTRAFINE SILICA PARTICLES IN DILUTE AQUEOUS SUSPENSION
Ryan D. Corpuz
Mindanao State University-Iligan Institute of Technology, Philippines

09:40 – 10:00  ULTRA-LOW-POWER ELECTROPHORETIC DEPOSITION OF SILICA POWDER USING NONFLAMMABLE ORGANIC SOLVENT
Hideyuki Negishi
National Institute of Advanced Industrial Science and Technology (AIST), Japan

10:00 – 10:20  INSERTION OF BOEHMITE PARTICLES FROM AQUEOUS COLLOID SUSPENSION INTO ANODIC FILM SUPPORTED ON ALUMINIUM
Florent Caubert
Centre Inter-universitaire de Recherche et d'Ingénierie des Matériaux, France
10:20 – 10:50  Coffee break

10:50 – 11:10  ELECTROPHORETIC DEPOSITION OF POLY-ETHER-ETHER KETONE (PEEK) FROM AQUEOUS SUSPENSIONS
Saša Novak
Jožef Stefan Institute, Slovenia

11:10 – 11:30  SURFACE MODIFICATION OF COMPLEX OXIDE POWDER WITH POLYELECTROLYTE LAYERS IMPROVING EPD CHARACTERISTICS
Tetsuo Uchikoshi
National Institute for Materials Science, Japan

11:30 – 11:50  THE ELECTROPHORETIC DEPOSITION OF TiO₂-ENHANCED COMPOSITE COATINGS ON RARE EARTH PERMANENT MAGNETIC MATERIALS
Zhenchen Zhong
School of Materials Science and Engineering, Nanchang Hangkong University, China

11:50 – 12:30  Ad hoc discussions

12:30 – 14:00  Lunch

14:00 – 16:30  Ad hoc sessions and/or free time

16:30 – 17:00  Afternoon Coffee

17:00 – 18:00  SESSION XIII: POSTER SESSION II

19:30 – 21:00  Conference Banquet

21:00 – 22:00  Social Hour
Friday, October 10, 2011

07:30 – 08:30  Breakfast buffet

**SESSION XIV: ADVANCED EXPERIMENTAL TECHNIQUES**

**Session chair:** Sasa Novak

08:30 – 08:50  PARTICLE ASSEMBLY OF MICRON AND NANO SCALE MATERIALS WITH PARTICLE-TO-PARTICLE PRECISION BY ELECTROPHORETIC DEPOSITION
Tammy Olson
Lawrence Livermore National Laboratory, USA

08:50 – 09:10  ELECTROPHORETIC DEPOSITION AS AN ADDITIVE MANUFACTURING TECHNIQUE
Andrew Pascall
Lawrence Livermore National Laboratory, USA

09:10 – 09:30  MECHANISM OF SONICATION-ASSISTED ELECTROPHORETIC DEPOSITION OF CARBON NANO-FIBERS ON CARBON FABRICS
Gengheng Zhou
KIMS, South Korea

09:30 – 09:50  CRYSTALLINE-ORIENTED BETA-SIALON:EU2+ PHOSPHOR DEPOSITS FABRICATED BY ELECTROPHORETIC DEPOSITION WITHIN A STRONG MAGNETIC FIELD: PREPARATION PROCESS AND PHOTOLUMINESCENCE PROPERTY DEPENDING ON ORIENTATION
Tetsuo Uchikoshi
National Institute of Materials Science, Japan

09:50 – 10:10  FABRICATION OF C-AXIS-ORIENTED ZEOLITE L SEED LAYER ON POROUS ZIRCONIA SUBSTRATE BY ELECTROPHORETIC DEPOSITION IN STRONG MAGNETIC FIELD
Chika Matsunaga
National Institute of Materials Science, Japan

10:10 – 11:30  **Conclusions** (NEXT EPD CONFERENCE, INDUSTRIAL INVOLVEMENT, SCIENTIFIC NETWORK ON EPD, EUROPEAN PROJECTS, INCREASE PARTICIPATION OF “ELECTROCHEMISTRY COMMUNITY”, EDUCATIONAL MATTERS, ETC.)

12:00   Lunch and departures