

ON THE OCCASION OF 30 YEARS OF EAST - CHALLENGES AND PERSPECTIVES

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European Academy of Surface Technology, www.east-site.net, was founded as an international non-profit organization with the main objective promotion of science, research, training and education in the fields of surface technology and related areas all over Europe. The European Board of EAST is in charge of accomplishment of these tasks, where most of European States are represented by one or two members recognized in their countries as leading specialists in surface technology. Non-European countries are represented by Associated Members. The aims are achieved in different ways: by Europe-wide press releases, conferences and seminars in the member countries. For realization of projects of European dimension in the area of education, further training and research, EAST closely co-operates with the institutions of the European Commission (EC). Within the scope of several European programs EAST significantly contributes to the co-operation and the technology transfer between science and industry. This eminent institution was founded in 1989 in Schwabisch Gmünd, Germany. In Figure 1 the copy of founding document is presented. It can be seen that many distinguished professors and experts in surface technology signed the document, among them Professor Aleksandar Despic, as representative of our country for many next years.



EAST Founding Ceremony 15 October 1989 - Schwäbisch Gmünd

Figure 1. EAST funding ceremony with signatures of eminent experts from Academy and Industry, Schwabisch Gmünd 1989.

Slika 1. Osnivačka ceremonija EAST-a – kopija deklaracije potpisane od strane eminentnih eksperata sa univerziteta i iz industrije, Šwabiš Gmünd 1989.

Professor Despic has been struggling to spread EAST activities throughout the country and region and at the end of his career recommended professor Vladimir Jovic to continue this mission. Professor Jovic has been striving to include many younger colleagues in EAST activities, trying to transfer the knowledge to continue the mission and aims of the academy. He put a lot of efforts and energy to enable group of Serbian PhD students to join MINDE project won by EAST in 2005. Dr Nevenka Elezovic has been elected for European board member and representative of Serbia in 2013, following the recommendation of the president of EAST at that time, Professor Pietro Luigi Cavallotti, as well as Professor Jovic.



Figure 2. EAST Forum 1990 - Schwäbisch Gmünd

Slika 2. EAST forum 1990 – Šwabiš Gmund

After many years of diligent work as the President, Professor Cavallotti recommended Professor Peter Leisner from Jönköping University Sweden as his successor. Very emotional and nice small inauguration ceremony took place in Lund 2015, during EAST forum organized by Catterina Zanella, today one of representatives of Sweden together with Professor Leisner.

The 30 Years anniversary of EAST was held in Schwabisch Gmund in October 2019. It was a nice chance to remind the members as well as the eminent guests from universities and industry from all over Europe about main goals and achievements of the academy during the past three decades. The celebration was in working manner, as usual. So, six EAST board members were in charge for each of 6 working groups (WG), to lead and summarize the activities related to the role of EAST in future European education in surface technology, global competitiveness of European surface technology, as well as other essential issues defined in working group tasks. After devoted and hard work in the frame of WGs the whitepapers from each of them are developed.

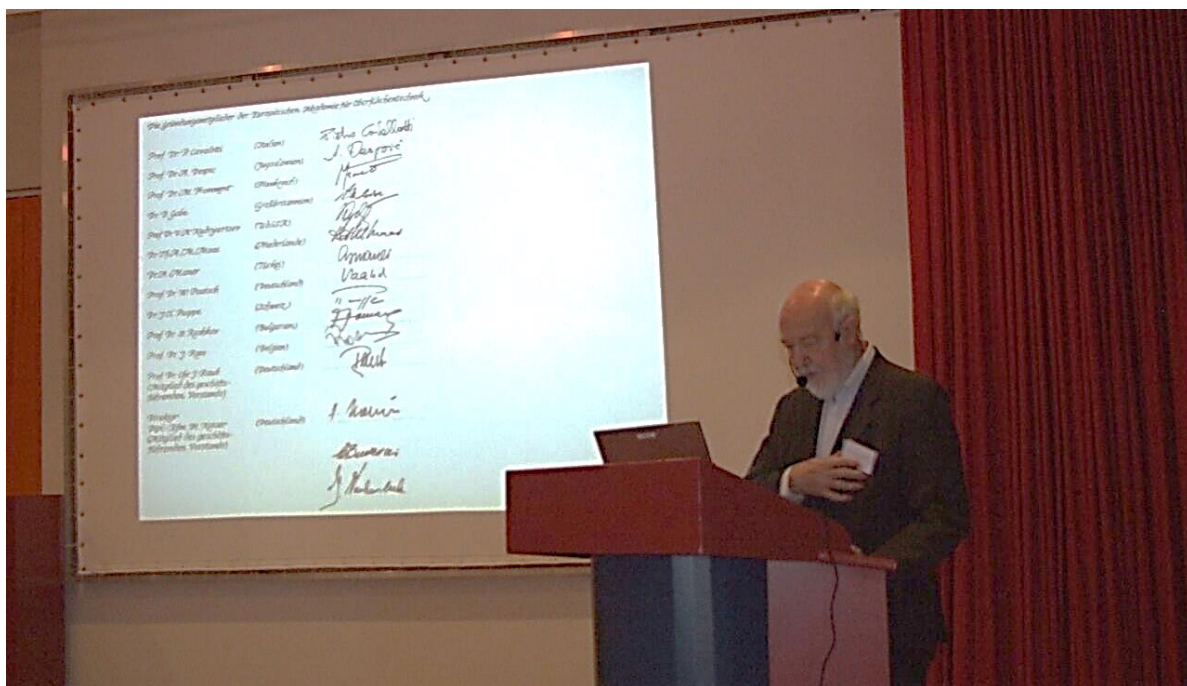


Figure 3. Professor Pietro Luigi Cavallotti, EAST forum in Lund 2015.

Slika 3. Profesor Pietro Luigi Cavallotti, EAST forum u Lundu 2015



Figure 4. President Leisner in Schwabisch Gmünd during 30 years anniversary of EAST 2019.

Slika 4. Predsednik EAST-a, profesor Leisner, u Šwabiš Gmundu tokom proslave tridesetogodišnjice 2019.

Up to know the WG2 chaired by President Leisner has finished their work, and this important document dealing with Global competitiveness of European surface technology has become available at the east web page:

Global Competitiveness of European Surface Technology, by Peter Leisner et al.

<https://www.east-site.net/pdf/WhitepaperOnGlobalCompetitivenessOfEuropeanSurfaceTechnology2020.pdf>

Other five whitepapers are going to be finished as soon as possible. The second one chaired by Laszlo Peter in line with Future European education in surface technology will be finished soon. The full list of WGs is presented below:

WG1: Future European education in surface technology, Laszlo Peter,

WG2: Global competitiveness of European surface technology, Peter Leisner

WG3: Industrialisation of non-aqueous electrolytes, Caterina Zanella,

WG4: 3D printing, Wolfgang Hansal

WG5: Change to metals and processes that are health and environmentally friendly,
Mari Lundström

WG6: New opportunities by combining wet and vacuum processes, Lars Pleth Nielsen

At the end, it is very important to emphasize some of the numerous valuable activities - projects, training schools, conferences, where the role of EAST was absolutely crucial:

1. Project Marie Curie, MSCF-CT-2004-516594, "Micro and Nano Deposition-- - MINDE" (2004-2008) Coordinator EAST, chair Pietro Luigi Cavallotti, Politecnico Milano
2. COST MP1407, "Electrochemical processing methodologies and corrosion protection for device and systems miniaturization"(European cooperation in science and technology, supported by the EU Framework Programme Horizon 2020; (2015-2019). Project leader: Professor Salvador Pane Vidal, ETH Zurich - European board member and representative of Switzerland.
<https://www.e-minds.ch/the-project/cost-mp1407/>
3. mCBEEs project, "Advanced integrative solutions to corrosion problems beyond micro-scale: towards long-term durability of miniaturized biomedical, electronic and energy systems", 2017-., This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 764977. Coordinator Dr Maria Lekka, University of Udine, European board member and representative of Italy.
<https://www.mcbees.eu/>
4. The 71st Annual Meeting of the International Society of Electrochemistry was organized in Belgrade, 31 August to 4 September 2020 with Serbian EAST board member Nevenka Elezović as one of the organizers. Due to the COVID19 pandemic, the organizers took on the great challenge to transform the conference into the first-ever ISE online event. It was really impressive success story, with 1878 registered participants - 18 topic symposia were held online using different online platforms and having award winner lecturers. The scientific program of the meeting was opened by the Nobel laureate in 2019 Michael Stanley Whittingham (Binghamton University, USA. EAST board members have given great contribution as Symposia organizers and/or lectures: Laszlo Peter, Piotr Zabinski, Salvador Pane and Luca Magagnin.

Povodom 30 godina Evropske akademije za površinske tehnologije

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Evropska akademija za površinske tehnologije (EAST - www.east-site.net) je osnovana kao međunarodna neprofitna organizacija, sa glavnim ciljevima da promoviše nauku, istraživanje, razvoj i obrazovanje u oblasti površinskih tehnologija širom Evrope. Za ostvarivanje ovih ciljeva je zadužen Evropski odbor – bord, koga čine predstavnici skoro svih evropskih zemalja, inače istaknuti eksperti iz pomenute oblasti u svojoj zemlji i šire. Ova ugledna institucija, koja povezuje na svojevrsan način stručnjake iz akademskih krugova i industrije, osnovana je 1989. godine u Nemačkoj – Švabiš Gmund (Schwabisch Gmund). Jedan od potpisnika osnivačke deklaracije bio je profesor Aleksandar Despić, dugogodišnji predstavnik naše zemlje u Evropskoj akademiji. Nakon njegovog povlačenja, izabran je profesor dr Vladimir Jović, čiji pregalački rad i posvećenost omogućuju uključivanje brojnih mlađih kolega u aktivnosti EAST-a, kao i transfer znanja i ekspertize u površinskim tehnologijama. Prof. Jović je zaslužan za aktivno učešće studenata doktorskih studija iz Srbije u projektu Marija Kiri - MSCF-CT-2004-516594, "Micro and Nano Deposition-- - MINDE" (2004-2008), čiji je koordinator bio EAST, a rukovodilac Pietro Luigi Cavallotti, ugledni profesor Milanskog tehničkog univerziteta - Politecnico Milano, njen dugogodišnji predsednik. Nakon višegodišnjeg aktivnog rada prof. Jovića, kao predstavnik Srbije i član borda Evropske akademije za površinske tehnologije, 2013. godine je izabrana dr Nevenka Elezović, čime je nastavljen kontinuirani rad na ostvarivanju misije i vizije, kao i uključivanje mlađih kolega u aktivnosti EAST-a. U oktobru 2019. godine obeleženo je 30 godina rada akademije, na skromnoj radnoj svečanosti u Nemačkoj, gde je i osnovana. Učesnici - članovi borda, kao i pozvani ugledni predavači i gosti, kreirali su strateška dokumenta o ulozi i viziji EAST-a u oblasti obrazovanja, kao i transferu znanja i veština između univerziteta i industrije u oblasti površinskih tehnologija.