**Program for the anniversary of the Kleist bottle invention**

**(prototype of a capacitor)**

by Ewald Georg Jürgen von Kleist on 11.10.1745

and settling the memorizing plague funded by European Physical Society (EPS)

Kamień Pomorski – Pobierowo 11-13.10.2013

Friday, 11.10.2013

12.00 – 12.30 official ceremony of settling the memorizing plague „EPS Historic Site” on the front wall of the ``Kleist Palais''situated near to Kamień Pomorski Cathedral – ex-President of EPS prof. Maciej Kolwas and President-elect of PPS (Polish Physical Society) prof. Katarzyna Chałasińska-Macukow

12.30 – 13.00 interactive experiment exhibition related to electricity and energy generation (secondary school students from LO Świnoujście, Eureka Foundation) followed by a short organ concert in the Cathedral

13.00 – 13.15 walk to the town hall in Kamień Pomorski

13.15 - 16.00 – a session in the town hall devoted to the physical, historical and social aspects of the discovery entitled "Ewald von Kleist - a discoverer of a capacitor and a citizen of Kamień Pomorski"

13.15 – 13.30 – official speeches by the Mayor of Kamień Pomorski and guests

13.30 – 14.00 – lecture “Increasing the power of electricity – discovered by Ewald von Kleist” (Mr. Andreas Makus, German Physical Society)

14.00 – 14.45 – reception for the participants of the session

14.45 – 15.15 – lecture “Life and work of Ewald von Kleist” (Mr. Grzegorz Kurka, Museum of Kamień Pomorski)

15.15 – 16.00 – lecture “Clean, safe, and sustainable energy sources – the energy storage problem” (prof. Konrad Czerski, Institute of Physics, University of Szczecin)

Organizers: Polish Physical Society, European Physical Society, Kamień Pomorski Town Hall

Partners: European Physical Society, Berlin Physical Society, German Physical Society, Max-Planck Institute for Plasma Physics, Eureka Foundation

Patrons: Westpomeranian Voivode, Marshal of the Westpomeranian Region, University of Szczecin, Westpomeranian University of Technology, Marine Academy in Szczecin

Patrons (media): TVP Szczecin, Kurier Szczeciński

Sponsors: Polish Physical Society, European Physical Society, Kamień Pomorski Town Hall, ENEA S.A, Polish Energy Group, Eureka Foundation

**Program of the conference**

**``Ewald von Kleist contribution and its consequences to the development of science''**

Friday 11.10.2013

16.15 - 17.00 – a tranfer of the participants to the University of Szczecin conference site in Pobierowo near to Kamień Pomorski

18.00 – diner

19.00 – informal session devoted to the discovery of E. von Kleist

Saturday 12.10.2013

***Session on the history, contemporaneity, and philosophy of physics***

***(chair: prof. Janusz Typek)***

9.30 – 10.00 prof. Maciej Kolwas „From a capacitor to a condensate – traps and trapping”

10.00 – 10.30 prof. Gebhard von Oppen “The problem of `morphogenesis' in physics and chemistry”

10.30 – 11.00 prof. Michael Müller-Preussker „From electricity to the Higgs particle: unifying our view of fundamental forces”

11.00 – 11.30 coffee break

11.30 – 12.00 prof. Sławomir Kaczmarek „Jan Czochralski. Crystal growth method and its modifications”

12.00 – 12.30 prof. David Blaschke “Highest electric field strength in the laboratory: Fundamental physics with modern laser facilities”

13.00 – 15.00 lunch break

***Session on the current problems of energy generation in contemporary world***

***(chair: prof. Konrad Czerski)***

15.00 – 15.30 prof. Mariusz Dąbrowski „Public reception of the nuclear energy program in Poland”

15.30 – 16.00 Dr. Götz Ruprecht „The German nuclear angst – comparison of electricity generation techniques”

16.00 – 16.30 – coffee break

16.30 – 17.00 Dr. Armin Huke „A novel modular nuclear plant for highly effective electricity generation, chemical synthesis, and transmutation”

17.00 – 17.30 Dr. Natalia Targosz-Ślęczka “Energy problems of modern Europe”

19.30 – conference diner

Sunday 13.10.2013

***Session devoted to physics education in the context of discovery of E. von Kleist***

***(chair: Dr. Stanisław Prajsnar)***

10.00 – 10.30 Hanna Bartnik (M.Sc.) “Philosophy of nature in physics teaching”

10.30 – 11.00 Dr. Aneta Mika „From von Kleist discovery to the contemporary electrotherapy”

11.00 – 11.30 coffee break

11.30 – 12.00 prof. Maciej Kolwas „The structure and activity of the European Physical Society”

12.00 – 12.30 prof. Michael Müller-Preussker “Activity of the Berlin Physical Society”

13.00 – lunch

16.00 – end of the conference