

Agenda of the Meeting of the Energy Group of the European Physical Society

**“How to shape the energy future of Europe ?”**

Royal Academy Building, Hertogstraat 1, Brussel – Simon Stevin Hall, first floor, 10-11 October '22

**10 October 2022**

11:30 Standing lunch

**11:20 Welcome and Introduction**

Dr. J.Ongena Energy Group of the European Physical Society and KVAB

Prof. M.Van Schoor Laboratory for Plasma Physics Ecole Royale Militaire – Koninklijke Militaire School (LPP-ERM/KMS), Brussels

**Net zero politics** - Chair : Prof. K.Crombé Univ. Gent and LPP-ERM/KMS, Brussels

12:30 Prof. Ch. Buchal – University Köln and Forschungszentrum Juelich

“The IEA plans to get to net zero”

13:00 Prof. J-P. Poncelet – Former Belgian Federal Vice Premier Minister and Minister of Energy

“My mixed feelings ... about electricity markets in Europe”

13:30 Prof. S. Furfari – Université Libre de Bruxelles

“ Is the EU Green Deal compatible with the new energy situation ?”

**Contributions to reach net zero** - Chair : Dr. M.Verstraeten, LPP-ERM/KMS, Brussels

14:00 Ir. E. Lox - Umicore

“Future progress in battery technology”

14:30 Prof. H. Hens – KULeuven

“Energy-efficient building construction and renovation, not a straightforward story.”

**The problems are in the “details”... Part I** - Chair : Dr. M.Verstraeten, LPP-ERM/KMS, Brussels

15:00 Ir. D. Marenne – ENGIE Study group

“The use of Hydrogen from the point of view of industry”

15:30 Dr. M. Wanner – F4E Garching Branch

“Storage of renewable energy in the form of hydrogen”

16:00 Coffee

**The problems are in the “details”... Part II** - Chair : Dr. R.Koch, LPP-ERM/KMS, Brussels

16:30 Ir. P-F.Bach – Denmark

“The complexity of the energy systems of the future”

17:00 Dr. M. Zarifakis - Electricity Board Ireland

“Challenges from increased wind generation in Ireland“

17:30 Discussion

19:00 Reception and Dinner in the “Fondation Universitaire – Universitaire Stichting” , Egmontstraat 11, Brussels

**11 October 2022**

**Further solutions to reach net zero** - Chair : Dr. Y. Kazakov, LPP-ERM/KMS

9:00 Prof. F. Wagner – Max Planck Institute  
“Comparing CO2 production from renewables and nuclear”

9:30 Prof. Hamid Ait Abderraim , MYRRHA, Brussels  
“Sustainable Nuclear Energy, Closing the Fuel Cycle and Opening a New One”

10:00 Dr. Alfredo Portone F4E Barcelona  
“Status of ITER and Fusion Research”

Coffee

**Reality checks of the energy transition** - Chair : Dr. R. Koch, LPP-ERM/KMS

11:00 Prof. Ch. Buchal – Uni Koln and Forschungszentrum Juelich  
“The German situation including the understanding of mind set and politics”

11:30 Prof. Proost, KULeuven  
“The Belgian Energy Situation”

12:00 Discussion round / Round table: the best way forward in Europe ?

Chair : Dr. Chris Rossel  
Former EPS President and Chair of the Technology and Innovation Group of EPS

13:00 End of meeting

**Standing lunch**

**14:00 Departure**