“DEALING WITH CHALLENGES OF THE EUROPEAN ENERGY TRANSITION”

ZAGREB | 20 November, 2020

Euro – CASE Annual Conference 2020 ONLINE

Croatian Academy of Technical Sciences

www.euro-case2020.com
Welcome to the Euro-CASE 2020 online

Through the EuroCASE2020 Conference, you will be guided by the voice of professor Slavko Krajčar, Ph.D., Board member of the Croatian Academy of Technical Sciences (HATZ)
For your information 😊

The Conference will be recorded. Thanx.

A recording and presentations will be available on the Euro-CASE and HATZ page.
Once again

If you are not talking please mute the microphone

and video 😊
Dear panellist, dear participants, and dear guests

Every year one of the Euro-CASE Members hosts the Annual Conference which gathers top European speakers on essential Applied Sciences, Technologies and Engineering topics.

This year I wish you warm welcome to the Conference: “DEALING WITH CHALLENGES OF THE EUROPEAN ENERGY TRANSITION”

Euro-CASE 2020 online ("Zagreb Online" in cooperation with "Paris Cloud"...
Welcome to the Euro-CASE 2020 online

A few introductory words ...
Welcoming address

Professor Nikola Čavlina, Ph.D.
President of the Program committee of the Euro-CASE Annual Conference 2020
and
Chairman of the Committee on International Cooperation of HATZ
Welcoming address

Professor Vladimir Andročec, Ph.D.
President of the Croatian Academy of Technical Sciences (in Croatian: Akademija tehničkih znanosti Hrvatske - HATZ)
Welcoming address

On behalf of Euro-CASE ...

Professor Tuula Teeri, Ph.D.

President of the Royal Swedish Academy of Engineering Sciences (IVA)
Welcoming address

Radovan Fuchs, Ph.D.
Minister of Science and Education, Croatia
Let we start with the ...
First session

Energies Policies - Challenges and Opportunity for Transformation
The Euro-CASE Energy Platform

E. Álvarez Pelegry and Yves Caristan (Euro-CASE)
The Euro-CASE Energy Platform (1)

Professor E. Álvarez Pelegry Ph.D., at present is Director of the Energy Chair at Orkestra-Basque Institute of Competitiveness - Deusto University.

Previously, he was Director of Corporate Intelligence at Gas Natural Fenosa. He worked in the Unión Fenosa Group where, among other positions was: Corporate Manager of Quality, Environment and R&D; Director of Fuels; Director of Planning; Economics and Control; and General Secretary of Unión Fenosa Gas, where he was a member of the Board and the UFG’s Executive Committee for seven years.
The Euro-CASE Energy Platform \(^{(2)}\)

Yves Caristan Ph.D., graduated from the French Ecole Normale Supérieure of Paris, PhD in Geophysics from MIT, and a French Ph.D. in physics from the University of Grenoble. In 1981 he joined the French Atomic Energy Commission. In 1996 he became Head of the Department of Monitoring of the Environment. From 1999 to 2004, he was Director-General of the French Geological Survey. In 2005, he was appointed as Director of the Physical Sciences Division at CEA, and Director of the Saclay Research Center.

Since 2013 he is a Fellow of the National Academy of Technology of France and Secretary-General of Euro-CASE.
Realising the Green Deal: EU actions and priorities

Vincent Berrutto (DG Energy)
Realising the Green Deal: EU actions and priorities

Vincent Berrutto, Ph.D., is the Head of Unit “Innovation, Clean Technologies, and Competitiveness” at the European Commission Directorate General for Energy (DG ENERGY). His Unit aims to foster research, innovation and competitiveness in clean energy technologies, with the long-term goal to decarbonise Europe by 2050.

Prior to this, Vincent Berrutto was heading the Unit in charge of energy efficiency at the Executive Agency for Small and Medium-size Enterprises (EASME). Beforehand, he also dealt with sustainable energy issues in other services of the European Commission, as well as in the French government. He holds a PhD in science and more than 25 years of professional experience.
Energy Strategy of the Republic of Croatia

Ivo Milatić (State Secretary of Energy in the Ministry of Economy and Sustainable Development)
Ivo Milatić was graduated at the Faculty of Economics in Split in 1992. Upon completion, he founded his own company, in which he worked until 1997 when he became mayor of Jelsa. In 2000, he became an assistant minister in the Ministry of public works, reconstruction, and construction. In 2005, he became the mayor of Jelsa for the second time. He was Assistant Minister for Strategic Commodity Supplies Directorate in Ministry of Economy from 2012 till 2017 when he was appointed Secretary of State for Energy in the Ministry of Energy and Environmental Protection. In 2020, he was appointed as the State Secretary of Energy in the Ministry of Economic and Sustainable Development.
Options for Future Mobility Systems

Maximilian Fichtner (Helmholtz Institute Ulm)
Options for Future Mobility Systems

Maximilian Fichtner, Ph.D., spent two years as a Young Researcher at the Karlsruhe Nuclear Research Centre. In 1994 he became assistant to the board of directors of the Karlsruhe Research Centre. In 1997 he left to build up a new activity on Microprocess Engineering. The group was integrated into the new Institute for Microprocess Engineering in 2001. In 2000 he was offered a position at the new Institute of Nanotechnology. Since then he is a group leader there.

In 2012 he received a call from Ulm University to become a professor. The position is connected to a function as a group leader at the new Helmholtz Institute Ulm.

Since 2015 he has been executive director of the Helmholtz Institute Ulm.
Let we continue with the ...
Second session

Implementation, Economic Impact and Challenges
Energy Efficiency, Key Dimension of the Energy Union: Implementation Perspective

Željko Tomšić (University of Zagreb)
Energy Efficiency, Key Dimension of the Energy Union: Implementation Perspective

Professor Željko Tomšić, Ph.D., is working as full professor on University of Zagreb Faculty of Electrical Engineering and Computing at the Department of Energy and Power Systems. From 2004-2008 he was Assistant Minister for energy and mining in the Croatian Ministry of Economy, Labor and Entrepreneurship. From 2008-2009 he was a board member at Croatian power Utility-HEP d. d.

Scientific research in energy policy and energy strategies, ecology and energy, modelling and analysis of energy and emissions markets, energy management. He is a co-author of two university books and has published more than 100 papers in journals and conference proceedings. He is also co-author of more than 50 scientific and expert studies.

Full Member of Croatian Academia of Technical Sciences, and HAZU Scientific Council for Oil and Gas Economy and Energy.
IAS view of Slovenian energy transition

Zoran Marinšek (Slovenian Academy of Engineering - IAS)
Zoran Marinšek, Ph.D., has held a Ph.D. from the University of Ljubljana. He is co-founder of INEA d.o.o., the first spin-off of Institute Jožef Stefan, and its first CEO. He is co-author of a number (10) innovations, technical improvements in process control technology, and recognized by several awards (4), including co-author of best poster-paper award at a World Smart Grids Forum 2013 for significant contribution to Smart Grids. His present focus has been management and trading of energy flexibilities of prosumers in Smart Grids. He participated in several FP and H2020 R&D projects.

Zoran is a fellow of the Slovenian Academy of Engineering. In 2014/15, it is Vice President, presently the President of its Energy Platform. Since 2018 a member of the Steering committee of the Euro-CASE energy platform.
The Role of SME in Energy Transition

Ante Ćurković (ENCRO - Croatian energy project development company)
The Role of SME in Energy Transition

Ante Ćurković, Ph.D., completed his graduate studies at the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, where he also received his Ph.D. He worked for Končar in the sector to produce and develop electric generators and then became the director of the Končar - small household appliances factory. In 1991 he was started working in the Ministry of Industry of the Republic of Croatia as an advisor to the Minister. After two years, he transferred to HEP to the positioning member of the Management Board.

In 2010 he started working in the private company Porzana. It deals with developing and implementing projects to use renewable energy sources, project financing models, investment planning, and business development planning.

He is an honorary lecturer in the energy transition at the Faculty of Mechanical Engineering and Naval Architecture University of Zagreb.
Energy Transition: Impact on Economy

Tomislav Radoš (Croatian Chamber of Commerce)
Energy Transition: Impact on Economy

Tomislav Radoš, Ph.D., is currently the Vice President of the Croatian Chamber of Commerce. He held the position of Assistant Minister of Economy of the Republic of Croatia. He was the head of the working group to draft the Industrial Strategy of the Republic of Croatia. He worked in the real sector as the founder and CEO of Strategic Plan, a company dealing with renewable energy sources and consulting services in strategic management and finance. Before that, he held the position of President of the Management Board of AutoZubak. He graduated from the Faculty of Economics in Zagreback, where he also received his doctorate on the connection between strategy and business success of Croatian companies.
Challenges the Power Utility is Facing

Marko Ćosić (Croatian utility - HEP)
Challenges the Power Utility is Facing

Marko Čosić was graduated from the Faculty of Economics in Zagreb. At present he is Board member of Croatian Utility Company - HEP.

He was an advisor at the Export and Investment Promotion Agency of the Government of the Republic of Croatia. Within Korlea Invest Holding he was the Executive Director of the subsidiary in Croatia, and from the Director for Southeast Europe, in charge of development, energy trade, cross-commodity trading and investments in production capacity.

He was the General Manager of the Proenergy Group, where he managed operations in the markets of Croatia, Slovenia, Bosnia and Herzegovina, Serbia and North Macedonia. He is a guest lecturer in the courses Electricity Market and Energy Economics at the Faculty of Economics in Zagreb.
Q&A (for both sessions)

Moderator: **Professor Neven Duić, Ph.D.**
Secretary of the Energy Systems Department at HATZ, and professor at the University of Zagreb
... and before the closing remarks please let you know ...

We are calling you to ...
Closing remarks by HATZ and Euro-CASE

Professor Vladimir Andročec, Ph.D. and Yves Caristan, Ph.D.
See you at the next Annual Conference... host by the RAEng, UK

Dear colleagues from RAEng, we are handing you a baton...
THE END