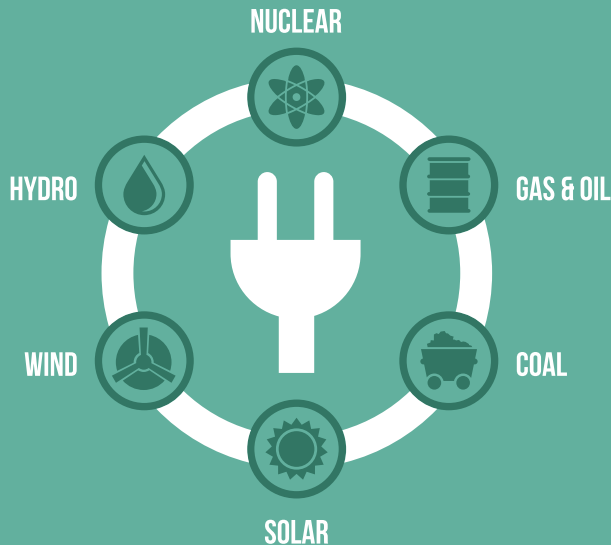




MASARYK
UNIVERSITY

"Energy Infrastructure and Policy Repercussions"

July 29 - August 5,
UNESCO city of Telč, Czech Republic



Tomáš Vlček

Summer School Manager



Tomáš Vlček is assistant professor at the Department of International Relations and European Studies, Faculty of Social Studies, Masaryk University; lecturer at the Energy Security Program; and member of the Center for Energy Studies.

The Department of International Relations and European Studies of the Faculty of Social Studies of Masaryk University in Brno, Czech Republic and Center for Energy Studies, together with our partners Central Europe Energy Partners, 50Hertz Transmission GmbH; CEZ,a.s.; and International Institute of Political Science of Masaryk University are proud to present "Energy Infrastructure and Policy Repercussions" a summer school on the topic of energy security.

The sixth year of this summer school takes place in the UNESCO World Heritage City of Telč and will be dealing with a highly topical issue of electricity transmission, oil pipelines and gas infrastructure in Europe. The core of the program comprises of issue-related lectures and practice-oriented workshops focusing on policy repercussions, relations with major energy producers, hydrocarbons development, electricity production and transportation, etc.

The summer school includes a field trip ČEZ Group's Dukovany Nuclear Power Plant and nearby Dalešice Hydroelectric Power Plant. A field trip to a nuclear power plant is a unique experience. Students will be acquainted with the operation of a nuclear facility and will take part in guided tour through the site, the engine room, and the control room simulator. A guided tour through the hydroelectric power plant, which serves as a water reservoir for Dukovany NPP, will follow.

The summer school is a long term annual project of international renown dating back to 2011. To date, we have 131 satisfied graduates of 32 nationalities from around the globe. 84% of our graduates come from outside the Czech Republic as the tradition and renown of the project is growing.

I hope you will enjoy the summer school and become another satisfied summer school alumni!

Speakers

Václav Bartuška

**Special Envoy for Energy Security,
Ministry of Foreign Affairs of the
Czech Republic**



Václav Bartuška studied journalism at the Faculty of Social Science of Charles University in Prague and was one of the student

leaders of the Velvet Revolution. After this experience, he wrote a famous book called "Partly cloudy" which discussed this exciting era.

Mr Bartuška later worked as a reporter for the largest Czech newspaper MF Dnes, and was a Chief Commissioner for the Czech pavilion at the Expo 2000 in Hannover, Germany. After finishing this job, Mr. Bartuška ran a business as a specialist for event management and marketing studies. In 2010, he became State Ambassador for issues of energy security and a Special Envoy of the Czech government for finishing the Temelín nuclear power station.

Filip Černoč

**Assistant Professor, Department of
International Relations and European
Studies, Faculty of Social Studies,
Masaryk University**



Filip Černoč gained his PhD at the Faculty of Social Studies with a thesis focusing on energy policy and energy interests of the

Czech Republic.

Previously, he worked as a research assistant of the International Institute

of Political Science of Masaryk University and as an editor of the business magazine Profit. He is the head coordinator of energy security – related activities at the Department of International Relations and European Studies at the Faculty of Social Studies, Masaryk University where he also works as a lecturer. He authored or co-authored several books and many articles dealing with energy-related issues of the Czech Republic and the European Union. He has participated on numerous research grants, including projects for the Ministry of Foreign Affairs of the Czech Republic, Czech-Polish Forum, Visegrad Fund, etc.

András Deák

Senior Research Fellow, Institute of World Economics, Hungarian Academy of Sciences



András is currently working as research fellow at the Institute of World Economics of the Hungarian Academy of Sciences. There he

leads the research group on Development Economics. Deák's fields of research lie within EU and Post-Soviet energy policy, Russian economy

and EU Eastern Policy. His professional experiences include the position as research director at the Central European University in the Center for EU Enlargement Studies, as well as working as a research fellow in the field of Post-soviet and Energy Policies at the Hungarian Institute of International Affairs and the coordination director at the latter. The EU and post-soviet energy policies, Russian and post-soviet economies and the Eastern Partnership of the EU figure as his main areas of expertise. He holds an MA degree and a PhD in international relations from the Corvinus University of Budapest.

Predrag Grujičić

Head of Gas Unit, Energy Community



Predrag graduated from the Faculty of Electrical Engineering, University of Belgrade, Serbia in 1999. He held

various positions within the Serbian major public electricity company, Elektroprivreda Srbije as a system operator. He joined the Ministry of Energy of Serbia where he occupied various head positions including on

the energy sector reform and the EU integration and international cooperation agenda. In 2010, he was seconded as a national expert to the Energy Charter, Brussels.

Predrag joined the Energy Community Secretariat in Vienna in 2010. As Head of Gas unit he assesses and reviews the proper implementation and progress of the member countries of their obligations under Energy Community Treaty related to the gas acquis. Under his leadership, the unit has constantly assisted the member countries in proper implementation of their obligations.

Pavel Hala

**Head of Long Term Operation
department for Temelin and Dukovany
NPP, ČEZ Group**



Mr Hala received his diploma in Mechanical Engineering in 1996 from the Technical University of Brno.

After his graduation, he worked as the Secondary Circuit Operator at Dukovany NPP, in 1999 he has been coordinating the safety

analyses updates for Dukovany NPP and since 2006 his daily work is related to long term operations of nuclear power plants. He worked as Head of licensing and start up group both for the Dukovany 105% uprate project and Temelin 104% uprate project. Since 2012 he works as Head of Ageing Management and Long Term Operation department. As part of his job he regularly participates in IAEA SALTO (Safety Aspects of Long Term Operation) missions around the world (China, Romania, Czech Republic, Belgium, Hungary etc.).

James Henderson

**Senior Research Fellow, Oxford
Institute of Energy Studies**



James Henderson has been analysing the Russian oil and gas industry for the past 20 years. Having been Head of Energy for Wood Mackenzie

Consultants in the mid-1990s he moved to Moscow as Head of Oil & Gas Research for Renaissance Capital in 1997, and in 1999 became Head of Equity Research. Having returned to

the UK in 2002 he became Head of Russia at Lambert Energy Advisory while also studying for his doctoral thesis on partnership in the Russian oil and gas industry at the University of London, which he completed in 2010. He then became a Senior Research Fellow at OIES contributing to the work of the Gas and Oil programmes, mainly covering Russia and the CIS but also contributing research on various global gas issues. He is also a BP Professor of Energy at the Skolkovo Management School in Moscow and lectures on energy issues at a number of universities in Europe.

Martin Jirušek

Specialist, International Institute of Political Science of Masaryk University



Martin Jirušek holds Master's degree in European Studies and obtained his PhD by defending the thesis focusing on activities of the

Russian state-owned companies in the natural gas sector in south-eastern Europe (SEE). Currently, he works as a specialist at the International Institute of Political Science of Masaryk University and lectures within the Energy Security Studies program at the

Department of International Relations and European Studies, Faculty of Social Studies, Masaryk University. He also co-organizes the Masaryk University's annual summer school on energy security. Martin is professionally focused on energy security in the central and Eastern Europe (CEE) and transatlantic dimension of energy security. He has also published articles on conceptual foundations of the energy policy of CEE and SEE countries and the European Union, the role of Russia in natural gas and nuclear sectors in CEE and SEE, and potential impacts of US energy exports. Martin has been also in charge of several research and educational grants focused on the aforementioned regions.

Maciej Jakubik

Chief Executive Officer, Central Europe Energy Partners



Maciej Jakubik graduated from the Institute of Political Science and the Centre for Eastern Studies, Warsaw University. He also

holds an MA in European Studies, from the College of Europe. In the meantime, he has completed various courses relating to the energy sector and energy security. A diplomat and

civil servant with several years' experience working in Polish public administration, EU institutions, and international organisations, he recently worked at the Ministry of Foreign Affairs in Warsaw, where he was responsible for common Foreign and Security Policy. His years of public service included a spell at the Polish Embassy in Moscow, whilst a pivotal term of office was conducted within the Chancellery of the President of Poland, dealing with foreign and energy affairs. His duties there involved many activities relating to energy security and energy diplomacy.

Michael Kranhold

**Director, Customer Management,
50hertz Transmission GmbH**



Michael Kranhold graduated with a Master of Engineering (Dipl.-Ing.) and a Master of Business

Administration at

The Kellogg School of Management at Northwestern University in Evanston, Illinois, USA. He began his career in 1984 in the German Democratic Republic's National Base Load Distribution office (Hauptlastverteilung) after he finished

his studies of energy supply in Minsk, Belarus. Mr Kranhold has extensive practical experience in various areas of the transmission network business that include systems management, network planning, energy management, corporate development, and controlling. One of his biggest professional challenges included the connection of the Eastern European neighbors – the Czech Republic, Poland, Hungary, and Slovakia – to the Western European grid in 1995, and the integration processes during the formation of Vattenfall Europe AG in 2000-2002, as well as with Elia System Operator SA and Industry Funds Management (IFM), the new owners, in 2010.

Lukáš Lehotský

**PhD candidate, International Institute
of Political Science of Masaryk
University**



Lukáš Lehotský graduated in European Studies at the Faculty of Social Studies, Masaryk University. Currently, he works as a

specialist and lecturer within the Energy Security Studies Program at the Department of International Relations

and European Studies, Faculty of Social Studies, Masaryk University. He is a co-organizer of the Energy Security Summer School. He has been participating in several research projects conducted at the faculty, with the most recent focusing on coal mining in Northern Bohemia. Apart from that, his focus has covered gas market integration in Visegrad countries and energy efficiency in V4 countries and Ukraine. He lectures on energy efficiency, social science methods and computer-aided text analysis.

Milan Sedláček

Director for commercial and regulatory affairs, Eustream, a.s.



Milan Sedláček is Director of commercial and regulatory affairs at Eustream since 2014. Previously, he has worked at

Eustream on positions of Head of strategy and regulatory affairs and Head of business development and

regulatory affairs. Before Eustream he worked at Slovenský Plynárenský Priemysel a.s. as Head of development group - gas transit and as IT Specialist.

He also worked as assistant professor at the Slovak Technical University, where he obtained a PhD degree in Artificial Intelligence and Automatic control of systems. Apart from that, he also studied at Leningradskij Elektrotechniceskij Institut (LETI) in Sankt Petersburg in Russia and Dublin City University in the United Kingdom.

Tomáš Vlček

Assistant professor, Department of International Relations and European Studies, Faculty of Social Studies, Masaryk University



Tomáš Vlček works at the Department of International Relations and European Studies in study programs Energy Security

Studies, International Relations and Energy Security and International Relations; and he also works at the International Institute of Political Science of Masaryk University. He is a member of the independent research

platform Center for Energy Studies and the academic association Czech Nuclear Education Network. He is also the initiator and manager of this Summer School on Energy Security. He is a graduate of the prestigious professional International Visitors Leadership Program of the United States Department of State. During his previous years, he has taken part in numerous research projects. He completed research visits to USA, Poland, Lithuania, Russia, Albania, Moldova, Romania, Bulgaria, Germany, etc. His scholarly interests include energy security of the Czech Republic and the region of Central and Eastern Europe, especially the nuclear sector and the oil sector.

Detailed schedule

Saturday, July 29 - Arrival

- 17:00-19:30 Arrival and dinner
- 19:30-21:00 Introduction and acquaintance

Sunday, July 30 - EU and CEE Energy Policy

- Breakfast
- 9:00-11:00 **Behind the scenes of the energy policy**
Václav Bartuška
- Lunch
- 13:00-15:30 **Energy Transition**
Filip Černoch
- 16:30-18:30 **Electricity Generation in CEE: Current Development, Trends and Issues**
Maciej Jakubik
- Dinner
- 20:00-22:00 Wine tasting seminar

Monday, July 31 - Nuclear energy in CEE

- Breakfast
- 9:00-10:00 **Introduction to nuclear energy and electricity**
Tomáš Vlček
- 10:30-12:30 **Electricity flows, loop flows, RES and NPP grid accommodation**
Michael Kranhold
- Lunch
- 15:00-17:00 **Russian nuclear fuel cycle and interests in CEE**
András Deák
- Dinner
- 19:00-20:30 City sightseeing

Tuesday, August 1 - Field Trip

	Breakfast
7:30-9:00	Travel to Dukovany NPP
9:00-11:30	Field trip around the Dukovany NPP facility
11:30-12:30	Lunch
12:30-13:30	Nuclear Power Plant life extension process <i>Pavel Hala</i>
13:30-14:00	Travel to Dalešice HPP
14:00-16:00	Field trip around the Dalešice HPP facility
16:30-18:00	Travel back to Telč
	Dinner

Wednesday, August 2 - Natural Gas Infrastructure

	Breakfast
9:00-10:00	Introduction to natural gas sector <i>Martin Jirušek</i>
10:30-12:30	Contemporary issues and challenges of natural gas sector <i>Predrag Grujičić</i>
	Lunch
14:00-16:00	Related infrastructural issues of the natural gas sector in SEE <i>Predrag Grujičić</i>
16:30	Visit to the chateau Telč
	Dinner
19:30	Film screening

Thursday, August 3 - Russia-EU Relations and the Hydrocarbons

Breakfast

9:00-11:30 **The history of Russia's energy relationship with Europe:
is the energy threat changing?**

James Henderson

Lunch

13:30-15:30 **Russia's future oil and gas production and exports and the
impact on global energy security**

James Henderson

16:30-18:30 **Natural gas infrastructure issues in CEE**

Milan Sedláček

Dinner

Friday, August 4 - Simulation game and closing ceremony

Breakfast

9:00-11:30 **Simulation game**

Lukáš Lehotský

Lunch

13:30-15:00 **Simulation game**

Lukáš Lehotský

15:00-16:30 Closing ceremony

18:00 Farewell barbeque party

Saturday, August 5 - Departure

Breakfast

11:00 Departure



City of Telč

About the city

A rich historical background and stunning architecture are the main characteristics of this beautiful city. The city of Telč was founded in 1099, and after decades of struggles for its rights enjoyed years of prosperity under the reign of Zachariáš of Hradec. During that time, (the 16th Century) some of the most beautiful buildings in the Renaissance style were built. After suffering during the Thirty Years' War and years of political uncertainty, the city of Telč enjoyed another period of prosperity at the first half of the

18th century. It was also an important center of national emancipation and political life. Thanks to its charming architecture, the city of Telč was added to UNESCO's List of World Cultural Heritage sites in 1992.

University Centre Telč

The former Jesuits' college building in which the Masaryk University learning center is located stands opposite the chateau across the Zachariáš of Hradec Square, at the address Náměstí Zachariáše z Hradce 2.

Partners



50 HERTZ

50Hertz Transmission GmbH, founded in 2002, is responsible for the operation, maintenance, planning, and expansion of the 380/220 kilovolt transmission grid throughout the northern and eastern part of Germany. Our grid covers an area larger than 109,360 km² and runs a length of approx. 9,840 km. It is the technical backbone that reliably supplies power to more than 18 million people. 50Hertz is part of the Elia group has new shareholders. The Belgian Transmission System Operator holds a

60 per cent interest in 50Hertz, 40 per cent share went to Australian infrastructure fund Industry Funds Management (IFM). Its central position gives 50Hertz an important role in European electricity exchanges: Our company links the networks of Denmark, Poland, the Czech Republic to Germany, and Scandinavia to the European mainland. We are a driver in developing European regional markets, especially in Northern and East Central Europe. Furthermore, 50Hertz is a reliable partner in the European Network of Transmission System Operators for Electricity, ENTSO-E.



CEZ GROUP

ČEZ Group

ČEZ Group is an established, integrated electricity conglomerate with operations in a number of countries in Central and Southeastern Europe and Turkey, headquartered in the Czech Republic. Its principal businesses encompass generation, trading, and distribution of power and heat, as well as coal mining. The shares of the Group's parent company, ČEZ, a.s., are traded on the Prague and Warsaw Stock Exchanges, where they

form a significant part of the respective indexes. The Czech Republic remains the company's largest shareholder with a nearly 70% stake in the stated capital. Apart from the production and sale of electricity, ČEZ Group also deals in telecommunications, informatics, nuclear research, planning, construction and maintenance of energy facilities, mining raw materials, and processing energy byproducts. ČEZ Group is currently one of the three largest heat suppliers in the country.

Center for Energy Studies

Center for Energy Studies is an independent platform which brings together energy researchers and experts. In the field of energy security, the Center counts as one of the biggest research and education institution in the Central Europe. Its main goal is to combine high-quality research with education activities in order to bring up the future decision-makers and business strategists in the field of energy. Center for Energy Studies takes an active part in research and education activities in the field of energy analysis. The foundational idea of the Center is to employ a multidisciplinary approach to the energy issues in the contemporary society. The Center is, therefore, a hub bringing together institution-based, company-based and individual experts from different fields of power industry: politics, economy, ecology, law, geology, sociology or technical sciences. Our basic principles are professionalism, impartiality and reliability. Our goal is a sustainable

scientific and research workplace which generates the top professionals and great results. Our main activities are twofold: The commercial and academic research activities of the Center are mainly directed to the topical issues and trends in the international energy industry. That is why the liberalization of energy markets, energy policy-making and its enforcement, shale gas development and its impacts on natural gas markets or the role of local oppositions with regard to the planning of energy projects are the main topics which feed our research interest. The masters study program, Energy Security Studies, is a unique program of this kind in the region. It is the only study program addressing the energy issues in all their complexity and multidisciplinary. The program in that manner combines political, economic, ecological, technical and legal aspects of the power industry. Our students get all that under the roof of the second largest university in the Czech Republic.



CEEP

Central Europe Energy Partners (CEEP) represents the interests of the energy and energy-intensive companies from Central Europe in order to strengthen

the region's energy security within the framework of a common EU energy and energy security policy. It is the first major body to represent the region at the EU level. CEEP is an international non-profit association

with its headquarters in Brussels (Belgium). By combining its capabilities and experience and enhancing cooperation between energy and energy-intensive companies and research institutions, CEEP identifies and advocates common problems and their solutions, whilst facilitating successful implementation of the EU's energy and

energy security policy. Furthermore, CEEP takes an active role in the process of the creation of EU laws for the energy sector, some 70% of them being decided at the European level. We represent the widely understood Central Europe energy sector (coal, gas, oil, renewables, nuclear, grids, and energy-intensive industries such as steel and chemicals, etc.).

**International Institute of Political Science
of Masaryk University**



Mezinárodní politologický
ústav Masarykovy
univerzity

International Institute of Political Science

The Institute draws on a long-standing tradition of political science research at Masaryk University, and via its activities it helps to cultivate and develop the disciplines of political science, international relations and European studies; it disseminates its research both to scholars and to the general public. The Institute's active involvement in the development of these disciplines is apparent from the research projects it instigates and implements, from the research outputs it publishes in periodicals and books, and from its coordination and organization of conferences, seminars and lectures on topical social themes.

The main territorial focus of the Institute's research is the Czech Republic and Europe. Specifically, its scholarly activities are concentrated in four research areas: democracy and democratization, European politics, international security, and electoral studies. This combination of themes has integrated the research potential of all the important political science research bodies in Brno, creating a unique space for undertaking complex analyses in political science and for understanding topical political phenomena. The international standing of the research is guaranteed by intensive cooperation with foreign partners, especially in Germany, Poland, Slovakia, Great Britain and the Netherlands.

Organizers



Masaryk University

Masaryk University is the second largest university in the Czech Republic, founded on 28 January 1919, just a few months after the creation of an independent Czechoslovak state. The foundation of the university was a result of continuous effort intended to support education and culture. Masaryk University was also founded as a counterpart to Charles University in Prague, which was then the only existing Czech University. Since its foundation, the University attracted

intellectuals and soon achieved international fame. After years of difficulties during the Second World War and the communist regime, the University began a new period of prosperity in 1990. During the following years, four new faculties were founded, and the whole university grew bigger to today's state, where it consists of 9 faculties, and 200 departments, institutes, and clinics. The University is the second largest employer in the region and is a respected center of cultural and scientific life.



Faculty of Social Studies

The Faculty of Social Studies was established in 1998 and it is among the newest and most dynamic parts of Masaryk University. Its social science tradition dates back as far as 1921, when I. A. Bláha, a direct pupil of Émile Durkheim, established the Department of Sociology. The Faculty has continued developing dynamically while focused on education in the fields of sociology, political science,

psychology, social policy and social work, media studies and journalism, environmental studies, international relations, European studies, gender studies, social anthropology, and recently, security and strategic studies and energy security studies. It strives for a connection between education and the research performed by the departments as well as by its large-scale research teams. It educates more than 4,300 students in full-time and part-time forms of study.

Media partners



EurActiv.cz

EurActiv.cz is the Czech branch of the leading European media portal providing information about the EU and related topics. It provides a comprehensive overview of related topics in form of articles and expert analyses from different areas of EU

policy in the Czech context. It provides access to relevant information to the government, state agencies, businesses, media and nonprofit organizations. It also publishes outcomes of various academic and research organizations and think-tanks.



Eurocentrum Brno

Eurocentrum Brno is part of a larger network of centers, where citizens may find answers to any of their question over the European Union. These centers address both experts and general public. They provide PR and information materials and organize workshops and lectures on important EU-related topics, provide information

over EU structural funds in cooperation with the Ministry of Regional Development of the Czech Republic, as well as cooperate with Europe Direct information centers and other regional partners. These centers were established in 2005 and operate under the Department of European Affairs Information Department of the Government of the Czech Republic.

Notes



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