# Conference Program
# Second International Virtual Conference on Ukraine

## KTH Royal Institute of Technology, Stockholm, Sweden, August 22-23, 2025

https://www.kth.se/ukraine-conference

## Organization Committee

- Lars Hartvigson, Jönköping University, Sweden.
- Almas Heshmati, Jönköping University, Sweden.
- Hans Lööf, KTH Royal Institute of Technology, Sweden
- Anna Nagurney, University of Massachusetts, USA
- Paul Nystedt, Jönköping University, Sweden
- Roman Sheremeta, Case Western Reserve University, USA
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## Scientific Committee

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- Younghoon Lee, Sogang University, South Korea
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- Anna Nagurney, University of Massachusetts, USA
- Oleh Nivieskyi, Kyiv School of Economics, Ukraine
- Paul Nystedt, Jönköping University, Sweden
- Maksym Obrizan, Kyiv School of Economics, Ukraine
- Roman Sheremeta, Case Western Reserve University, USA
- Timur Uman, Jönköping University, Sweden
- Marcel Voia, University of Orleans, France
- Valentin Zelenyuk, University of Queensland, Australia

**Keynote Speakers**

- Nobel Laureate Roger Myerson, University of Chicago, USA
- Nobel Laureate Paul Krugman, City University of New York, USA
- Nobel Laureate Daron Acemoglu, MIT, USA
- Professor Anna Nagurney, University of Massachusetts, USA
- Professor Subal Kumbhakar, Binghamton University, USA
- Professor Yuriy Gorodnichenko, UC Berkeley, USA

# Zoom Links

From August 22, 08:00 till August 23, 18:00

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# Important Information:

- The Zoom Link Applicable to both conference days and all sessions.
- The time zone in the program is **CET Berlin time**.
- Rooms: Main Room, Outbreaks Room 1, Room 2, Room 3 and Room4
- All Keynote Speaker presentations are in the Main Room.
- The host will allow you in the Main Room and you choose the outbreak room of your choice.
- The host allows the presenters to share their presentation files.
- The presenters' family name is printed in CAPS.
- The last presenter of the session serves as Chair of the session.
- Session presentation time is 20 minutes, questions and answers 10 minutes.
- Keynote presentation time is 30 minutes, questions and answers 10 minutes.
- Panellists - each has 5 minutes of introduction elaborating their field's usefulness in the reconstruction process and then participates in the subsequent discussion.

# Program Outline
# Day 1: Friday, August 22, 2025

08:30-08:45 (<span style="color:red">CET Berlin time</span>) Opening, Main Room

08:45-10:15 Parallel Session A1, Room 1, Education

08:45-10:15 Parallel Session A2, Room 2, Refugees

08:45-10:15 Parallel Session A3, Room 3, Cooperation and Governance

10:15-10:30 Coffee Break

10:30-12:00 Parallel Session B1, Room 1, Industry and Services

10:30-12:00 Parallel Session B2, Room 2, Human Capital

10:30-12:00 Parallel Session B3, Room 3, Infrastructure and Trade

10:30-12:00 Parallel Session B4, Room 4, Birth and Mortality

12:00-13:00 Lunch Break

13:00-14:30 Parallel Session C1, Room 1, Public and Household Funds

13:00-14:30 Parallel Session C2, Room 2, Reintegration and Resource Allocation

13:00-14:30 Parallel Session C3, Room 3, Public Health

14:30-14:45 Coffee Break

## Keynotes Day 1

14:45-15:30 Keynote Speaker 1, Main Room

15:30-16:15 Keynote Speaker 2, Main Room

16:15-17:00 Keynote Speaker 3, Main Room

17:00-17:30 Dinner Break

17:30-19:15 Panel Discussion, Challenges of Ukraine's Post-War Reconstruction. Main Room

# Day 2: Saturday, August 23, 2025

08:45-10:15 (CET Berlin time) Parallel Session D1, Room 1, Energy and Gas Sectors

08:45-10:15 Parallel Session D2 Room 2, Migration

08:45-10:15 Parallel Session D3, Room 3, Peacebuilding and Resources

10:15-10:30 Coffee Break

10:30-12:00 Parallel Session E1, Room 1, Environment

10:30-12:00 Parallel Session E2, Room 2, Defence Industry

10:30-12:00 Parallel Session E3, Room 3, Electricity

10:30-12:00 Parallel Session E4, Room 4, Sustainable Reconstruction

12:00-13:00 Lunch Break

13:00-14:30 Parallel Session F1, Room 1, Supply Chains

13:00-14:30 Parallel Session F2, Room 2, Energy and Climate

13:00-14:30 Parallel Session F3, Room 3, Agriculture

14:30-14:45 Coffee Break

## Keynotes Day 2

14:45-15:30 Keynote Speaker 4, Main Room

15:30-16:15 Keynote Speaker 5, Main Room

16:15-17:00 Keynote Speaker 6, Main Room

17:00-17:15 Coffee Break

17:15-17:30 Closing and Announcements, Main Room

# Day 1: Friday, August 22, 2025

**08:30-08:45 (<span style="color:red">CET Berlin time</span>) Opening, Main Room**

<mark>Speaker: To be announced</mark>

**08:45-10:15 Parallel Session A1, Room 1, Education**

Session Chair: Olha ZADOROZHNA (Kozminiski University, Poland)

*Ukrainian teachers stress and coping during the war: Results from a mixed methods study*, Iryna NADYUKOVA (Ludwig Maximillian University of Munich, Germany) and Anne Christiane Frenzel

*Bread and salt? First evidence on the impact of Ukrainian refugees in the Polish education system*, Wojciech SZYMCZAK (Institute for Structural Research, Poland)

*The short-run effect of war on academic achievement: evidence from Ukraine*, Dariia MYKHAILYSHYNA (University of University of Bologna, Italy)

*Local power, global scores: Effects of decentralization reform on Ukraine's school graduate outcomes*, Oleg Badunenko and Olha ZADOROZHNA (Kozminiski University, Poland)

**08:45-10:15 Parallel Session A2, Room 2, Refugees**

Session Chair: Andrii GALKIN (Beketov National University of Urban Economy in Kharkiv, Ukraine)

*Stuck with boys: Return prospects and integration outcomes of Ukrainian refugees*, Joop ADEMA (LMU Munich and IFO Institute, Germany), Yvonne Giesing and Panu Poutvaara

*(un)Effectiveness of the temporary protection EU Act-A study with Ukrainian refugees' job applicants*, Patrick Button, Luca FUMARCO (Masaryk University, Czech Republic) and Stepan Mikula

*E-commerce and last-mile choices of Ukrainian temporary-protected persons in Czechia*, Andrii GALKIN (Beketov National University of Urban Economy in Kharkiv), Poyasnik Oleksandr and Vasyl Skrypin

**08:45-10:15 Parallel Session A3, Room 3, Cooperation and Governance**

Session Chair: Olga BRUSYLOVSKA (Odesa I. I. Mechnikov National University, Ukraine)

*Bridging border peripheries: Cross-border cooperation*, Georgeana Cautis and Gabriela C. PASCARIU (Alexandru Ioan Cuza University of Iaşi, Romania)

*Does war destroy institutions or reinvent them? A spatial econometric analysis of regional governance in Ukraine*, Ramin AMANI (Tarbiat Modares University, Iran) and Almas Heshmati

*Ukraine's regional cooperation with the EU: Do we need an EaP if there is an accession process?* Olga BRUSYLOVSKA (Odesa I. I. Mechnikov National University, Ukraine)


**10:15-10:30 Coffee Break**


**10:30-12:00 (<span style="color:red">CET Berlin time</span>) Parallel Session B1, Room 1, Industry and Services**

Session Chair: Maryna BRYCHKO (Blekinge Institute of Technology, Sweden)

*Enhancing competitiveness of Ukraine's AI sector: Imperatives and challenges*, Vladyslav DZHUS (Taras Shevchenko National University of Kyiv, Ukraine) and Tamara Kovshun

*Digitalization and performance of Finland's private service firms*, Natalia Kuosmanen, Mika Pajarinen and Almas HESHMATI (University of Economics Ho Chi Minh City, Vietnam)

*Ukraine drone industry: The role of volunteerism and policy in building an emerging UAV industry*, Pontus Braunerheim and Maryna BRYCHKO (Blekinge Institute of Technology, Sweden)


**10:30-12:00 Parallel Session B2, Room 2, Human Capital**

Session Chair: Lars HARTVIGSON (Jönköping University, Sweden)

*Human capital and institutional resilience in wartime: The moderating role of education in Ukraine's economic recovery*, Imane BOUNAHR (Hassan II University Casablanca, Morocco), Younes El Khattab and Younes Arab

*The linkages between human capital, technological innovation and economic growth in East European countries*, Oussama TITAHI (Hassan II University Casablanca, Morocco), A. Echaoui, A. Es-Sabir and Z. Lakhyar

*A platform to promote structured collaboration between academics and policy actors in Ukraine*, Lars HARTVIGSON (Jönköping University, Sweden)


**10:30-12:00 Parallel Session B3, Room 3, Infrastructure and Trade**

Session Chair: Mykola RYZHENKOV (Osnabrück University, Germany)

*Navigating global trade and agricultural diplomacy: Ukraine's path through opportunity and adversity*, Mariia BOGONOS (Kyiv School of Economics Institute, Ukraine), Pavlo Martyshev and Hryhorii Stolnikovych

*Firms, infrastructure, and port blockade*, Mykola Ryzhenkov and Oleksandr SHEPOTYLO (Aston University, UK)

*International trade when ports are blocked*, Mykola RYZHENKOV (Osnabrück University, Germany) and Oleksandr Shepotylo

**10:30-12:00 Parallel Session B4, Room 4, Birth and Mortality**

Session Chair: Marcello BOLOGNESE (Fondazione IRCCS Instituto Nazionale dei Tumori, Milan, Italy)

*Exploring the relationship between armed forces and birth rates: Evidence from Ex-Soviet economies and the Ukraine-Russia conflict*, Jak KAKHKHAROV (Australian Catholic University, Australia) and Peter Faber

*Does universal healthcare coverage reduce pollution-induced mortality? Evidence from panel data of 91 countries*, Hana SARSAR (University Ibn Tofail, Morocco) and Hicham Ouakil

*Caring for children with cancer evacuated from Ukraine - The patients' perception*, Marcello BOLOGNESE (Fondazione IRCCS Instituto Nazionale dei Tumori, Milan, Italy), Masura Massimino, Daniele Cabibbe, …, Carlo Alfredo Cleerici

**12:00-13:00 Lunch Break**

**13:00-14:30 (CET Berlin time) Parallel Session C1, Room 1, Public and Household Funds**

Session Chair: Elchin RAHIMOV (Masaryk University, Czech Republic)

*Charitable giving in wartime: Evidence from Ukraine's war fundraising*, Margaryta Klymak, Andrew KOSENK (Marist University, USA), Oleg Korenok, Dariia Mykhailyshyna and Kathryn Vasilaky

*Ukrainian households clustering through the prism of expenditures*, Lina ZADOROZHNIA (European Humanities University, Lithuania)

*Making taxes visible: How Estonia's machine-learning readable budgets shifted the indirect-direct tax balance, 2013-2023*, Elchin RAHIMOV (Masaryk University, Czech Republic)

**13:00-14:30 Parallel Session C2, Room 2, Reintegration and Resource Allocation**

Session Chair: Serhii DOVHYCH (Bogomolets National Medical University, Ukraine)

*Public preferences for resource allocation to military technology during wartime: Evidence from Ukraine*, Natalia LAMBEROVA (University of Texas at Dallas, USA), Vera Mironova and Sam Whitt

*Welcome to the World War 3 (WWIII)*, Mario Arturo RUIZ ESTRADA (University of Economics and Human Sciences, Poland)

*Reintegration of Crimea and other temporarily occupied territories and the need for medical personnel*, Khlobystov I., Naumenko O., Dieieva Yu., Serhii DOVHYCH (Bogomolets National Medical University, Ukraine)


**13:00-14:30 Parallel Session C3, Room 3, Public Health**

Session Chair: Anastasiia Y. SYDORENKO (Aarhus University, Denmark)

*Validating the guilt scale among Ukrainian families in the United States*, Aigerim ALPYSBEKOVA (University of Texas at Austin, USA)

*Trust in scientific institutions during war-Experimental evidence on engagement with a digital mental health program*, Anastasiya-Mariya Asanov, Igor Asanov and Pia SCHOCH (University of Kassel, Germany)

*Emotional state and psychosocial needs of Ukrainian healthcare professionals during the war*, Anastasiia Y. SYDORENKO (Aarhus University, Denmark)


**14:30-14:45 Coffee Break**


**14:45-15:30 (CET Berlin time) Keynote Speaker 1, Main Room**

Session Chair: Roman SHEREMETA, Case Western Reserve University, USA

Professor Anna NAGURNEY, *Agricultural trade and Ukraine in wartime*, University of Massachusetts Amherst, USA


**15:30-16:15 Keynote Speaker 2, Main Room**

Session Chair: Hans LÖÖf (KTH Royal Institute of Technology, Sweden)

Nobel Laureate Daron ACEMOGLU, *A world of turbulence*, MIT, USA


**16:15-17:00 Keynote Speaker 3, Main Room**

Session Chair: Hans WESTLUND (KTH Royal Institute of Technology, Sweden)

Professor Yuriy GORODNICHENKO, *Macroeconomic expectations in a war*, UC Berkeley, USA


**17:00-17:30 Dinner Break**


# Friday, 22 August 2025

**17:30-19:15 (CET Berlin time) Panel Discussion, Challenges of Ukraine's Post-War Reconstruction. Main Room**

Session Chair: Anna NAGURNEY (University of Massachusetts Amherst, USA)

- Olha Zadorozhna, Professor, *Education outcome*, Kozminski University, Poland
- Tymofii Brik, Rector, *Sources of resilience in Ukraine*, Kyiv School of Economics, Ukraine
- Oleh Nivievskyi, Dean, *War-induced damages and reconstruction in Ukraine*, Kyiv School of Economics, Ukraine
- Torbjörn Becker, Director, *Creating a sustainable macro-financial foundation for Ukraine*, Stockholm School of Economics, Sweden
- Maryna Brychko, Lecturer, *Safe places for investments and entrepreneurship in post-war eastern Ukraine*, Blekinge University of Technology, Sweden
- Paul Nystedt, Professor, *Pensions in Ukraine - Challenges and choices*, Jönköping University, Sweden
- Oleg Badunenko, Associate Professor, *The effects of decentralization reform in Ukraine*, Brunel University, UK
- Timur Uman, Professor, *The role of municipal sector in reconstruction*, Jönköping University, Sweden
- Oleksandr Kravchenko, *xxxx xxxx*, McKinsey & Company, Kyiv, Ukraine

# Day 2: Saturday, August 23, 2025

**08:45-10:15 (<span style="color:red">CET Berlin time</span>) Parallel Session D1, Room 1, Energy and Gas Sectors**

Session Chair: Nadiya KOSTYUCHENKO (Sumy State University, Ukraine)

*Strategies for post-war recovery and sustainable rebuilding Ukraine's oil and gas industry*, Oleksandr Pashchenko, Volodomyr KHOMENKO (Denipto University of Technology, Ukraine) and Valerii Rastsvietaiev.

*Do traditional and risk-related assets protect clean energy market during turbulent periods? A safe haven analysis of the ECO index*, Asma ABDALLAH (University of Sfax, Tunisia) and Ahmed Ghorbel

*Climate neutrality, security, and decentralization in Ukraine's energy sector: an analysis of energy legislation*, Nadiya KOSTYUCHENKO (Sumy State University, Ukraine) and Denys Smolennikov

**08:45-10:15 Parallel Session D2 Room 2, Migration**

Session Chair: David ZUCHOWSKI (University of València, Spain)

*Understanding organizational learning in response to disasters: The case of NGOs responding to migration crisis*, Maria ALUCHNA (SGH Warsaw School of Economics, Poland), Benson Honig, Agata Chutnik, Fatima Hakimzadeh and Marta Pachocka

*Between solidarity and concern: Refugee inflow and crime perception*, David Zuchowski and Mateus MACIEL (Eberhard Karls University of Tübingen, Germany)

*Migration shocks and voting: Evidence from Ukrainian migration to Poland*, Dariia Mykhailyshyna and David ZUCHOWSKI (University of València, Spain)

**08:45-10:15 Parallel Session D3, Room 3, Peacebuilding and Resources**

Session Chair: Oleksandra KEUDEL (Kyiv School of Economics, Ukraine)

*War tourism and social resilience in Ukraine: Ethical challenges and post-conflict transformation*, Lindo WOUDENBERG (Universite des Antilles, France)

*Under the mask of peacebuilding - How is accounting implicated in the (neo)colonial fight over resources?* Olga Lermolenko, Valeiia MELNYK (University of Bologna, Italy) and Carolyn Cordery

*Local democracy and resilience in Ukraine: Learning from communities' crisis response in war*, Oleksandra KEUDEL (Kiev School of Economics, Ukraine), Andrii Darkovich, Oksana Huss, Valentyn Hatsko and Myroslava Savisko

**10:15-10:30 Coffee Break**

**10:30-12:00 (CET Berlin time) Parallel Session E1, Room 1, Environment**

Session Chair: Nataliia DEHTIAR (Sumy National Agrarian University, Ukraine)

*The impact of wartime environmental destruction on trust*, Stefan DÖRING (Uppsala University, Sweden), Eric Skoog, Ruslana Moskotina and Henrikas Bartusevičius

*Implications of the EU CBAM on Ukraine's economy and environment*, Maksym Chepeliev, Alexander SICHENEDER (Helmholtz Zentrum Berlin, Germany), Olha Yevstihnieiva and Georg Zachmann

*Spatial dimensions of war-induced disruption to ecosystem services: Resilience challenges and strategic pathways for recovery*, Hans Westlund and Nataliia DEHTIAR (Sumy National Agrarian University, Ukraine)


**10:30-12:00 Parallel Session E2, Room 2, Defence Industry**

Session Chair: Vesa HANNIANEN (University of Helsinki, Finland)

*Resilience and redirection: Ukraine's patent landscape, technological flows, and absorptive capacity in the face of conflict*, Christopher F Baum, Hans LÖÖF (KTH Royal Institute of Technology, Sweden), Fredrik Sjöholm and Andreas Stephan

*Short-term market impact of 2024 US president elections and Trump-Zelensky meeting in defence industry*, Antonio Miguel Valente MARTINS (University of Madeira, Portugal)

*Supporting Ukraine militarily: why is the West divided?* Vesa HANNIANEN (University of Helsinki, Finland) and Juha-Matti Lehtonen


**10:30-12:00 Parallel Session E3, Room 3, Electricity**

Session Chair: Valentina SHEVCHENKO (Kharkiv Polytechnical Institute, Ukraine)

*LSCs in building: additional generation of electricity energy*, M.D. DRAHAN (Dnipro University of Technology, Ukraine) and O.G. Lysenko

*From destruction to decarbonization: Scenarios for Ukraine's power future*, Iryna SOTNYK (University of Geneva, Switzerland), Jan-Philipp Sasse and Evelina Trutnevyte

*Assessment of the extending possibility the turbogenerators service life at thermal and nuclear power plants during war conditions*, Valentina SHEVCHENKO (Kharkiv Polytechnical Institute, Ukraine) and K.O. Lazurenko


**10:30-12:00 Parallel Session E4, Room 4, Sustainable Reconstruction**

Session Chair: Oleksandr PASHCHENKO (Dnipro University of Technology, Ukraine)

*Reframing recovery: towards transformative sustainability pathways in post-war Ukraine*, Vitaliy SOLOVIY (Austrian Institute of Technology, Austria) and Oksana Udovyk

*Modeling the recovery of Ukraine's creative economy*, Iryna Moiseienko and Ivanna DRONYUK (Jan Dlugosz University in Czestochowa, Poland)

*Multidimensional strategy for sustainable post-war reconstruction of Ukraine*, Oleksandr PASHCHENKO (Dnipro University of Technology, Ukraine) and Yuliia Papizh

**12:00-13:00 Lunch Break**

**13:00-14:30 (CET Berlin time) Parallel Session F1, Room 1, Supply Chains**

Session Chair: Anton BORYSIUK (State University, Kyiv Aviation Institute, Ukraine)

*An integrated EO–simulation framework to assess agricultural supply chain vulnerabilities in Ukraine*, Ivana ALEKSOVSKA (European Commission, Ukraine and EC) and Guido Lemoine

*Using remotely sensed data to assess war-induced damage to agricultural cultivation: Evidence from Ukraine*, Klaus DEININGER (The World Bank, USA), Daniel Ayalew Ali, Nataliia Kussul, Guido Lemoine

*Sustainable supply chains of metallurgical products between Ukraine and the EU in the context of post-war*, Anton BORYSIUK (State University, Kyiv Aviation Institute, Ukraine), Bugayko D.O., Hryhorak M.Yu., Katsman M.D., Zaporozhets, O.I. and Borysiuk A.V.

**13:00-14:30 Parallel Session F2, Room 2, Energy and Climate**

Session Chair: Oleksii HAMANIUK (University of Bonn, Germany)

*From wartime disruption to climate transformation? Energy resilience and governance experiments in Rivne, Ukraine*, Oksana UDOVYK (University of Valencia, Spain) and Vitaliy Soloviy

*How to rebuild the Ukrainian energy system in a resilient and climate-friendly way: Results from an intermodal comparison study*, Nazar Kholod, Oleksandr DIACHUK (National Academy of Sciences of Ukraine, Ukraine), Roman Podolets, Andrii Semeniuk, Anastasiia Zagoruichyk, and Galyna Trypolska

*Why decentralised governance works: Evidence from heating consumption in Ukrainian buildings*, Oleksii HAMANIUK (University of Bonn, Germany)

**13:00-14:30 Parallel Session F3, Room 3, Agriculture**

Session Chair: Yuriy DMYTRUK (Soil Protection Institute, Ukraine)

*Integrated crop and cargo war risk insurance: application to Ukraine*, Anna Nagurney, Ismael POUR (University of Massachusetts Amherst, USA), and Borys Kormych

*Erosion risk assessment for agricultural areas in Ukraine: A GIS-based tool for prioritizing land restoration*, Alla PIATKOVA (Kherson State University, Ukraine)

*Soil as a cornerstone for Ukraine's green recovery: Post-war reconstruction, climate resilience, and sustainable soil use*, Yuriy DMYTRUK (Soil Protection Institute, Ukraine) and Roman Palamarchuk

**14:30-14:45 Coffee Break**

**14:45-15:30 (<span style="color:red">CET Berlin time</span>) Keynote Speaker 4, Main Room**

Session Chair: Almas HESHMATI (UEH University, Ho Chi Minh City, Vietnam).

Professor Subal C. KUMBHAKAR, *Productivity and misallocation of resources*, Binghamton University, USA

**15:30-16:15 Keynote Speaker 5, Main Room**

Session Chair: Anna NAGURNEY (University of Massachusetts Amherst, USA)

Nobel Laureate Roger MYERSON, *Reconstruction assistance and local governments in Ukraine*, University of Chicago, USA

**16:15-17:00 Keynote Speaker 6, Main Room**

Session Chair: Paul NYSTEDT (Jönköping University, Sweden)

Nobel Laureate Paul KRUGMAN, *The post-American order*, City University of New York, USA

**17:00-17:15 Coffee Break**

**17:15-17:30 Closing and Announcements, Main Room**

Almas HESHMATI, UEH University, Ho Chi Minh City, Vietnam
Anna NAGURNEY, University of Massachusetts Amherst, USA
Lars HARTVIGSON, Jönköping University, Sweden
Hans LÖÖF, KTH Royal Institute of Technology, Sweden