

**Brandenburg University of Technology Cottbus-Senftenberg (BTU CS)
and Dnipro University of Technology (NTU DP)
with Support of DAAD**

**Programme of the Study Seminars
“Transition to Sustainable Consumption and Production
in Industry: The Business Management Context”**

18th October – 19th November 2021

(online)

First week				
Day 1: Monday 18th October 2021	15:00	Welcome address		
	Thematic Session 1: Understanding Sustainability in Industry			
	15:20	Key Lecture 1: Sustainable Consumption and Production in Industry : Scope and Targets	Ludmila Paliekhova <i>Prof., PhD, NTU DP</i>	(Teams)
	17:00	End of the day		
Day 2: Wednesday 20th October 2021	13:00	Key Lecture 2: Sustainability and Bioeconomy Nexus: An Exploration to Effects, Contributions and Technological Innovations and Regional Perspectives	Nicolas Sarmiento Sierra <i>BTU CS</i>	(Zoom)
	15:00	Panel discussion: Bioeconomy in Ukraine 1 Sustainable Land Use in an Industrial Region 2 Current State and Prospects of Bioeconomy in Ukraine 3 Certification of Biomass Sustainability for Biofuel Production	Mykola Tregub <i>Prof., PhD, NTU DP</i> Maryna Pashkevych <i>Prof., Dr., NTU DP</i> Nataliia Dreshpak <i>Ass.Prof., PhD, NTU DP</i>	(Zoom)
	15:30	Break		
	15:45	Seminar: Understanding of Sustainability in Industrial Chains 1 Industrial Value Chains and Sustainability 2 Supply Chain Management and Sustainability 3 Sustainable Development Indicators in Industrial Value Chains	Ludmila Paliekhova, <i>Prof., PhD, NTU DP</i> Tetiana Kuvaieva <i>Ass.Prof., PhD, NTU DP</i> Tetiana Arkhyenko <i>PhD st., NTU DP</i>	(Teams)
	17:00	End of the day		
	Day 3: Friday 22nd October 2021	9:00	Excursion: Visit to an industrial enterprise – Dniprometiz	
13:00		End of the day		

Second week		
Day 4: Monday 25th October 2021	Thematic Session 2: Circular Economy	
	14:00	Key Lecture 3: Key Elements of a Circular Business Model
		(Teams)
	14:00	Ludmila Paliekhova <i>Prof., PhD, NTU DP</i>
	14:45	Panel discussion: Environmental Sustainability in Metallurgical Enterprises
		(Teams)
	14:45	1 Circularity Aspects: Cases of Steel and Critical Metals
		Volodymyr Shatokha <i>Prof., Dr., Vice-Rector of the National Metallurgical Academy of Ukraine</i>
	2 Environmental Aspects of the Mining and Metallurgical Complex: The Case of ArcelorMittal Kryvyi Rih	
	Olena Matukhno <i>Ass.Prof., PhD, NTU DP</i>	
	3 Implementation of the Sustainable Development Concept at the Ukrainian Ferroalloys Enterprises	
	Oleksandr Zhadanos <i>Ass.Prof., PhD, National Metallurgical Academy of Ukraine</i>	
15:30	Break	
15:45	Seminar: Recycling and Innovative Technologies in Mining and Metallurgy	
	(Teams)	
15:45	1 Recycling and Waste-Free Technologies in Metallurgy	
	Oleksandr Dreshpak <i>Ass.Prof., PhD, NTU DP</i>	
	2 Improving the Efficiency of Iron Ore Processing: Demagnetization	
	Oleksandr Berezniak <i>Ass.Prof., PhD, NTU DP</i>	
	3 «PELENA» Technology to Prevent Dusting of the Technological Roads of Open Pit Mines: The Experience of PJSC ArcelorMittal Kryvyi Rih	
	Mykyta Mekshun <i>PhD st., NTU DP</i>	
	4 Improving the Efficiency of the Power Supply System of Poltava Mining and Processing Plant by Creating a Solar Power Plant	
	Dmytro Burtnyi <i>Ass.Prof., PhD, NTU DP</i>	
	Yakiv Yaroshenko <i>PhD st., NTU DP</i>	
18:00	End of the day	

Third week

Day 5: Monday 1st November 2021	Thematic Session 3: Climate and Environmental Protection		
	13:00	Key Lecture 4: Communicating Climate Change under Article 12 of the Paris Agreement	Niyanta Shetye <i>BTU CS</i>
	14:30	Panel discussion: Decarbonization for Highly Polluting Industries: Metallurgy and mining	
		1 Decarbonization Pathways for the Steel Industry: Global Outlook and Ukrainian Case	Volodymyr Shatokha <i>Prof., Dr., Vice-Rector of the National Metallurgical Academy of Ukraine</i>
		2 Transition from the Coal Industry to Renewable Energy (Wind and Solar)	Yuliia Honcharenko <i>BSc. st., NTU DP</i>
	15:30	Break	
	15:45	Distance business game: Greenhouse Gas Free City through Renewable Energy	Moderator: Tetiana Kuvaieva <i>Ass.Prof., PhD, NTU DP</i>
16:45	End of the day		
Day 6: Tuesday 2nd November 2021	13:00	Key Lecture 5: Transformative and Regenerative Climate Adaptation	Laeline Simon Krishewsky <i>One Resilient Earth, Bonn, Germany</i>
	15:00	Break	
	15:15	Key Lecture 6: Climate and Environmental Protection in Industry Enterprises: Businesses' Responses to Changes in Legislation	Olena Matukhno <i>Ass.Prof., PhD, NTU DP</i>
	16:45	Seminar: Environmental Protection Issues in Ukraine	
		1 Air Quality Management: Monitoring in Dnipro City	Pavlo Lomazov <i>Post-grad. st., NTU DP</i>
		2 Cumulative Effects of the National Strategic Environmental Assessment for the Greening Industry in Ukraine	Konstantin Liasov <i>Post-grad. st., NTU DP</i>
	3 Environmental Impact Assessment Related to Metallurgical Industry Activities	Kateryna Anikevych <i>Post-grad. st., NTU DP</i>	
	4 Modeling the Management of the Ecological and Economic System	Svitlana Us <i>Prof., PhD, NTU DP</i> Liubov Tymoshenko <i>Ass.Prof., PhD, NTU DP</i> Dmytro Serdiuk <i>MA st., NTU DP</i> Andrii Khudolii <i>BSc. st., NTU DP</i>	
17:30	End of the day		

Fourth week			
Day 7: Monday 8th November 2021	Thematic Session 4: Energy Management Systems		
	13:45	Key Lecture 6: Energy Management System ISO 50001: Implementation in Industry Robert Atkinson <i>Arcadis, Germany</i>	
	15:15	Break	
	15:30	Distance business game: Preparing PJSC Dniprometiz for the Implementation of an Energy Management System Moderator: Nataliia Dreshpak <i>Ass.Prof., PhD, NTU DP</i>	
	17:00	End of the day	
Day 8: Friday 12th November 2021	13:00	Key Lecture 7: Energy Management Systems in the Industrial Sector Nataliia Dreshpak <i>Ass.Prof., PhD, NTU DP</i>	
	15:00	Break	
	15:15	Seminar: Efficiency and Sustainability of Energy Consumption and Production	
		1 Development of Wind Energy in Support of Sustainable Production and Consumption: The Case of Ukraine	Dmytro Tsyplenkov <i>Ass.Prof., PhD, NTU DP</i>
		2 Ensuring Sustainability of Electric Power System by Renewable Energy Sources	Ivanov Oleksii <i>Prof. PhD, NTU DP</i> Oleksii Bobrov <i>Ass.Prof., PhD, NTU DP</i>
		3 Combined Renewable Systems for Increased Efficiency and Balance	Michael Rogoza <i>Prof. PhD, NTU DP</i> Anna Savochkina <i>BSc. st., NTU DP</i>
		4 Overview of the Wind Energy Market in Ukraine	Tetiana Liabahova <i>Post-grad. st., NTU DP</i>
		5 Understanding of the Concept on Energy Efficiency and Energy Equity in Industry	Ivan Derkach <i>MA st., NTU DP</i>
		6 The Problem of Efficient Electricity Consumption in Industrial Enterprises	Maryna Berus <i>BSc. st., NTU DP</i>
17:00	End of the day		

Fifth week			
Day 9: Monday 15th November 2021	13:45	Key Lecture 8: Moving from Voluntary to Mandatory Sustainability Standards	Robert Atkinson <i>Arcadis, Germany</i> (Webex)
	15:15	Break	
	17:00	Seminar: Towards Sustainable Production and Consumption (Webex)	
		1 Sustainability Reporting Initiatives	Olena Diachenko <i>Post-grad. st., NTU DP</i>
		2 Sustainable Production: Technological and Technological Challenges for Ukraine	Illia Kolosnychenko <i>Post-grad. st., NTU DP</i>
3 Ukrainian Government's Efforts in the Energy Sector Reform	Zakhar Rizo <i>MA st., NTU DP</i>		
4 Safe Working Conditions as the main Element of Decent Work: Case of Mining and Metallurgical Companies	Yelyzaveta Muzyka <i>MA st., NTU DP</i>		
5 Advancing Knowledge across the Metallurgical Value Chain	Anastasiia Kozaruk <i>MA st., NTU DP</i>		
18:00	End of the day		
Day 10: Thursday 18th November 2021	Thematic Session 5: The Involvement of Citizens in Matters Relating to Environmental Sustainability		
	13:00	Key Lecture 9: Citizen Science – A New Tool for Tackling Environmental Issues at Grass Root Levels? Examples from Resources Nexus Problems	Sabrina Julie Kirschke <i>United Nations University Dresden, Germany</i> (Zoom)
	15:00	Break	
	15:15	Seminar: Building Sustainable and Fair Markets, Decent Work in Industry (Teams)	
		1 Innovativeness of Biodiversity Principles in Industrial Development Strategies	Vasily Shvets <i>Prof., Dr., NTU DP</i>
2 Social Problems of Mines Closing in Ukraine		Kateryna Pilova <i>Ass.Prof., PhD</i>	
3 Fair Trade Standards along the Industrial Value Chain		Yuliia Papizh <i>Ass.Prof., PhD</i>	
4 Benchmarking Strategy as a Springboard to Sustainable Development		Kateryna Saksonova <i>BSc. st., NTU DP</i>	
5 Sustainability Management Programs: German Experience		Valeriia Plakhtii <i>BSc. st., NTU DP</i>	
6 Decent Work in Industry: Environmental, Economic and Social Aspects in Ukraine	Victoria Plakhtii <i>BSc. st., NTU DP</i>		
17:00	End of the day		
Day 11: Friday, 19th November 2021	15:00	Round table and discussion	
	16:00	Closing the study seminars and end of the final day	