

THE POLITICAL ECONOMY OF GREEN-DIGITAL TRANSITION

INTERNATIONAL
WORKSHOP

04-06

INTERNATIONAL
SUMMER SCHOOL

10-14

JUNE 2024

LAPPEENRANTA
FINLAND

WELCOME!

The International Workshop & Summer School on the Political Economy of Green-Digital Transition is an interdisciplinary event that seeks to unravel the complex relationship between environmental sustainability, digital innovations, and economic restructuring.

In an era defined by pressing environmental concerns and the pervasive influence of digital technologies, we foreground critical approaches to interrogate the complex interplay between these forces within contemporary capitalism.

The speakers invited present the frontiers of critical research on political economy. The selected young researchers' presentations offer a broad variety of research explorations on the theme. All the speakers and participants will have opportunities to engage in exchanges formally at the presentations and informally at various social, outdoor activities.

This event is organised by the Research Group on Economy, Technology and Society at the Department of Social Science, and the Cyber-Physical Systems Group at School of Energy Systems, LUT University. We thank all the speakers and participants for your interests and support. We have been looking forward to welcoming you to the workshop and summer school for a very long time and hope that you will enjoy the event and your time in the beautiful Finnish summer as much as we expect to.

Lastly, if you feel like exploring Lappeenranta more, visit its [Culture and Sports page](#) or [Tourism and Attraction page](#) for ideas.

LUT University is located in the Skinnarila district, seven kilometres from the city centre, at Yliopistonkatu 34, 53850 Lappeenranta. Visit the [Instruction for Visitors Page](#) to learn about arriving and navigating the campus.

EVENT STRUCTURES

TALKS

Talks generally last approximately 40 minutes, followed by a Q&A session with the audience. The entire session is expected to conclude within 2 hours.

PRESENTATIONS

Group presentations are organised by themes. Each presentation lasts approximately 15 minutes, followed by a 20-minute commentary from the discussant, and a Q&A session with the audience. The entire session is expected to last no more than 2 hours.

PRACTICAL INFORMATION

LUT WIFI ACCESS

Please choose LUTGuest wifi and follow the instruction by setting up an account with your email or phone number.

FOOD AND DRINKS

Refreshments, coffee and tea will be served during the event. Lunch can be bought at the university cafeteria close to the event rooms. Additionally, a variety of dining options can be found in the city center.

WHAT TO BRING

The event's programme features outdoor social activities, including sauna sessions and swimming in Lake Saimaa. We recommend bringing swimwear and towels to fully enjoy these amenities.

LOCATION AND TRANSPORTATION

Bus no.1 and no.5 travel to the university. Check suitable schedules and routes for you in the Lappeenranta public transportation route guide at lappeenranta.digitransit.fi.

PROGRAMME INFORMATION IS SUBJECT TO CHANGE.

W O R K S H O P

TUESDAY 04 JUNE

ROOM 1318

8.45-9.30 - **REGISTRATION (OBLIGATORY)**

9.30-10.00 - CAMPUS TOUR

10.00-12.00 - **OPENING**

The Case for a Political Economy of Green-Digital Transition
Edemilson Paraná, Associate Professor, LUT University, Finland

12.00-14.00 - LUNCH

14.00-16.00 - **Green-digital Transition through Commons-Based Decentralized Planning**

Pedro Nardelli, Professor, LUT University, Finland
Rodrigo Santaella, Postdoc researcher, LUT University, Finland

Discussant: Cédric Durand, Associate Professor, University of Geneva, Switzerland

16.15-21.30 - WELCOMING DINNER & OUTDOOR ACTIVITIES

WEDNESDAY 05 JUNE

ROOM 1318

10.00-12.00 - **Ecological Planning and the Problem of Knowledge in the Anthropocene**

Cédric Durand, Associate Professor, University of Geneva, Switzerland

*Discussant: Pedro Nardelli, Professor, LUT University, Finland
Rodrigo Santaella, Postdoc researcher, LUT University, Finland*

12.00-14.00 - LUNCH

14.00-16.00 - **The Dual Footprint of Artificial Intelligence: Human and Environmental Costs in the Global South**

Paola Tubaro, Research Professor, CREST, CNRS-ENSAE, France

Discussant: Cecilia Rikap, Associate Professor, IIPP, University College London, UK

16.30-18.30 - HARBOUR WALK

W O R K S H O P

THURSDAY 06 JUNE

ROOM 1318

10.00-12.00 - **Big Tech, the US and Chinese States in the Making of Artificial Intelligence**
Cecilia Rikap, Associate Professor, IIPP, University College London, UK

Discussant: James Steinhoff, Assistant Professor, University College Dublin

12.00-14.00 - LUNCH

14.00-16.00 - **Simulation and Green-Digital Infrastructure Capital**
James Steinhoff, Assistant Professor, University College Dublin

Discussant: Paola Tubaro, Research Professor, CREST, CNRS-ENSAE, France

16.00-16.20 - **CLOSING**

S U M M E R S C H O O L

MONDAY 10 JUNE

ROOM 1326

9.30-10.00 - OPENING

10.00-12.00 - **TALK: Platform Dependence: Towards a Marxist Political Economy Approach**

Rafael Grohmann, Assistant Professor, University of Toronto, Canada

12.00-14.00 - WELCOMING LUNCH

14.00-16.00 - **GROUP PRESENTATION: AI, Platform Capitalism and Commons-Based Economies**

The Use of Artificial Intelligence in the Court of Justice of the State of Ceará: Analysis and Perspectives

Fabyola Alves, Federal University of Ceará (UFC), Brazil

On the Concept of Commons-Based Economies and How to Achieve Them

Flávio Henry Ferreira, LUT University, Finland

Ant Forest and Making of Environmental Subjects in the Digital Age

Zhen Zeng, University of Helsinki, Finland

Deep Learning-Based Methodology for Detecting GPS Spoofing Cyberattacks

Mohamed Korium, LUT University, Finland

Discussant: Rafael Grohmann, Assistant Professor, University of Toronto, Canada

16.00-16.30 - COFFEE-TEA BREAK

16.30-18.30 - **TALK: Global and Regional Political Economic Systems and Climatic-Ecological Crises**

Markus Kröger, Professor, University of Helsinki, Finland

18.45-22.00 - SAUNA & LAKE ACTIVITIES

S U M M E R S C H O O L

TUESDAY 11 JUNE

ROOM 1326

10.00-12.00 - **TALK: Workers' Right to the Subject: the Social Relations of Data Production**

Phoebe Moore, Professor, University of Essex, UK

12.00-13.00 - LUNCH

13.00-15.00 - **GROUP PRESENTATION: Critical Approaches to Digital Capitalism**

For a Critique of the Political Economy of Digital Platforms

Helena Martins do Rêgo Barreto, Assistant Professor, Federal University of Ceará (UFC), Brazil

State Action in the Development of AI: Chief Scientist Program in Ceará Case Study

Oriana Chaves, Federal University of Ceará (UFC), Brazil

Data Extractivism and Social Pollution in Zambia

Christopher Chagnon, University of Helsinki, Finland

Labor Shortage in a Post-Capitalist Society

Pedro Goria, LUT University, Finland

Discussant: Phoebe Moore, Professor, University of Essex, UK

15.00-15.30 - COFFEE-TEA BREAK

15.30-17.30 - **TALK: Engaging Citizens in Energy Flexibility: Lessons from Energy Retailers' Response to the 2021-2023 Energy Crises**

Salvatore Ruggiero, Associate Professor, LUT University, Finland

17.45 - EVENING ACTIVITIES

S U M M E R S C H O O L

WEDNESDAY 12 JUNE

ROOM 1326

10.00-12.00 - **TALK: Green and Just Transitions through Dirty and Unjust Digital Markets? The Paradoxes and Promises of Knowledge Infrastructures**
Malcolm Campbell-Verduyn, Senior Lecturer, University of Groningen, The Netherlands

12.00-13.00 - LUNCH

13.00-15.00 - **GROUP PRESENTATION: Theories and Practices of Green-Energy Transition**

Green Reindustrialization or the Saudi Arabia of Hydrogen? Promises and Prospects of Green Hydrogen for the Development of Ceará
Clayton Mendonça Cunha Filho, Assistant Professor, Federal University of Ceará (UFC), Brazil

Revising the Theory of Metabolic Rift to Study Socio-Ecological Conflicts

Marta Vallvés, Autonomous University of Barcelona, Spain

Environmental, Social and Legal Contradictions of Green Energy Transition in Solar Power Projects, Pakistan
Usman Ashraf, University of Helsinki, Finland

Using a Gamified Approach to Identify Energy Information Needs

Ajesh Kumar, LUT University, Finland

Discussant: Malcolm Campbell-Verduyn, Senior Lecturer, University of Groningen, The Netherlands

15.00-16.00 - COFFEE-TEA BREAK

16.00-18.00 - **TALK: A Sociology of Interdisciplinarity: Dynamics of Energy Research**
Antti Silvast, Associate Professor, LUT University, Finland

18.15 - EVENING ACTIVITIES

S U M M E R S C H O O L

THURSDAY 13 JUNE

ROOM 1326

10.00-12.00 - **TALK: The Political Economy of Platform Content Moderation**
João C. Magalhães, Assistant Professor, University of Groningen, The Netherlands

12.00-13.00 - LUNCH

13.00-15.00 - **GROUP PRESENTATION: Datafication and Institutional Responsibility Towards Sustainability**

Official Statistics and Platform Capitalism: the Transition to a Statistical-algorithmic Regime of Datafication
Oscar Arruda d'Alva, Federal University of Ceará (UFC), Brazil

Dialectic of Responsibility – Big Tech, Corporate Social Responsibility and Ideology
Joel Hänninen, University of Helsinki, Finland

Advancing Digital Sustainability: Insights from ICT Companies' Sustainability Transition Approaches
Abdul-Rauf Larry Abdullai, LUT University, Finland

A Macro-Level Analysis of the Role of Institutional Quality in Sustainable Development
James Adolphus, LUT University, Finland

Discussant: João C. Magalhães, Assistant Professor, University of Groningen, The Netherlands

15.00-15.30 - COFFEE-TEA BREAK

15.30-17.30 - **TALK: Big-Tech, Micro-Media and Climate Industries**
Beliz Boni, Head of Communications, Alameda Institute

17.45 - EVENING ACTIVITIES

S U M M E R S C H O O L

FRIDAY 14 JUNE

ROOM 1326

10.00-12.00 - **GROUP PRESENTATION: Energy Efficiency, Governance and Sustainable Materials**

Exploring the Potential of Additive Manufacturing for Sustainable Materials Engineering: A Case Study on Polycrystalline Ni-Mn-Ga Alloys

Meysam Norouzi Inallu, LUT University, Finland

Unified Framework to Select an Internet of Things (IoT) Platform for Power to X (PtX) Cogeneration Plants

Mehar Ullah, LUT University, Finland

Implementing Energy-Efficient Solutions in Communication Networks

Daynara Dias Souza, LUT University, Finland

The Social Implications of Global Digitalization Discourse as a Governance Apparatus in Regulated Energy Markets: A Case from Turkey

Atilla Kılıç, Istanbul Technical University and Istanbul Bilgi University, Turkey

Discussant: Pedro Nardelli, Professor, LUT University, Finland

12.00-13.00 - LUNCH

13.00-15.00 - **TALK: The Digital Transition of the State and the Risk of New Inequalities**

Paolo Gerbaudo, Senior Researcher in Social Science, Complutense University Madrid

15.00-15.30 - COFFEE-TEA BREAK

15.30-16.30 - CLOSING

ABOUT ORGANISORS

RESEARCH GROUP ON ECONOMY, TECHNOLOGY, AND SOCIETY (GETS)

The Research Group on Economy, Technology, and Society (GETS), led by Associate Professor Edemilson Paraná, adopts a critical social science approach to examining the social and political determinants and impacts of economic change, particularly focusing on cutting-edge digital technologies. This entails digital money, digital finance, and Artificial Intelligence. Our focus encompasses the green-digital transition and the geopolitical and environmental impacts of datafication. We address these issues considering their macroeconomic and macrosocial aspects, drawing insights from Economic Sociology, Political Economy, and economic heterodox approaches.

CYBER PHYSICAL SYSTEMS GROUP

The Cyber Physical Systems Group, led by Professor Pedro Juliano Nardelli, is located at LUT University in Finland. Our focus is on different aspects of cyber-physical systems such as data acquisition, signal processing, information and communication theories, and (decentralized) resource management with special attention to applications in energy systems. We are also interested in the relation between technology and society with a grounded but critical perspective.

SUPPORTED BY

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The Foundation for Economic Education
The Finnish National Agency for Education

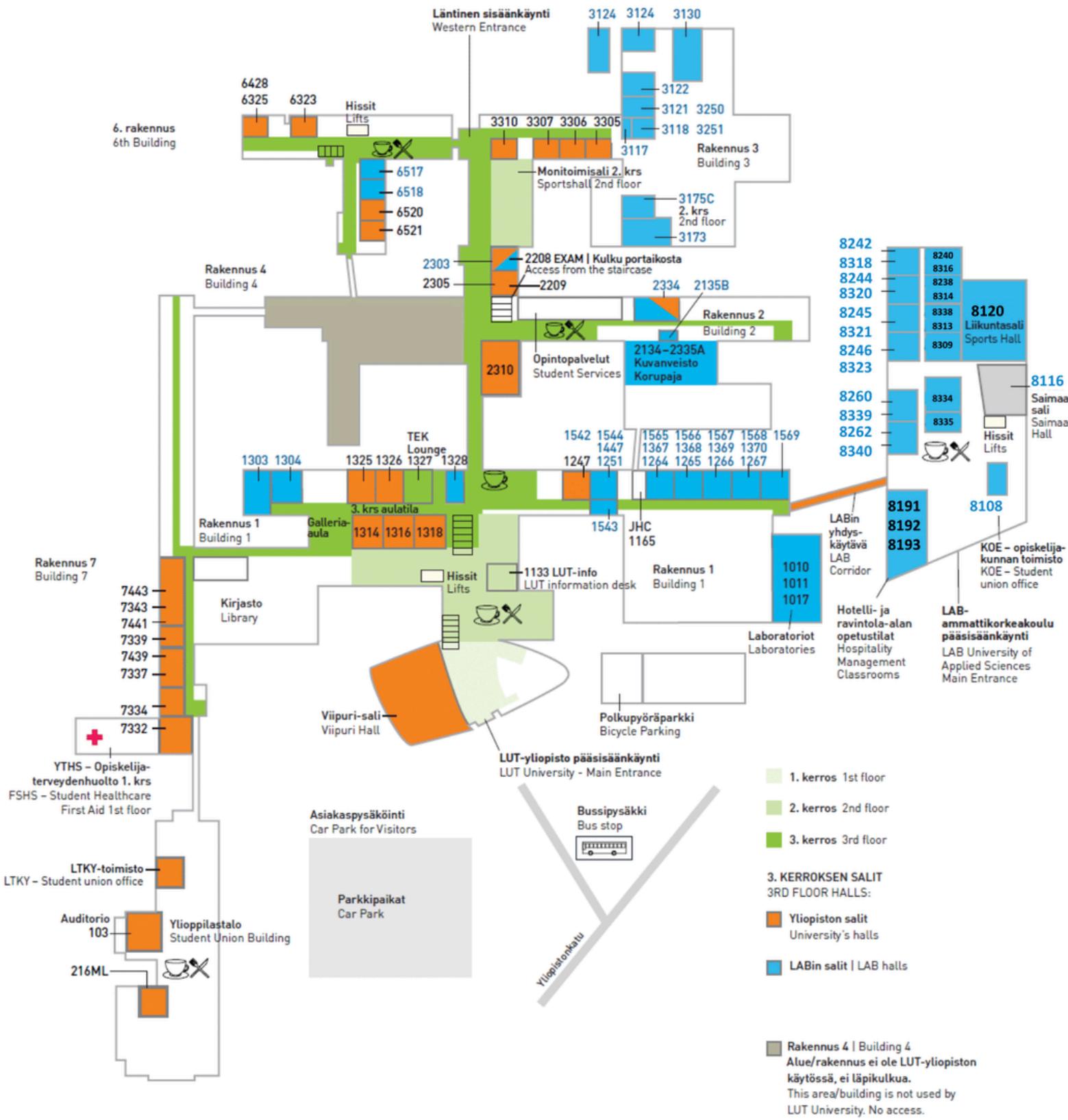


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CAMPUS MAP - LAPPEENRANTA



THE INTERNATIONAL WORKSHOP AND SUMMER SCHOOL

Find the abstracts:



Learn more about the event: rgets.org

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