

LCA Symposium 2025 at TU Wien – 16 June 2025 – Programme Details

- 08:30-09:00 Registration, Get-Together
- 09:00-09:10 Opening: [Rector Jens Schneider](#)
- 09:10-09:30 [Stavros Papadokonstantakis](#): Introduction to the LCA Symposium 2025
- 09:30-10:30 **Block I – Process Engineering**
Moderation: Stavros Papadokonstantakis
[Safdar Abbas](#): From fingerprints to footprints: bridging lab-scale to industrial reality through prospective life cycle assessment
[Stavroula Zervopoulou](#): Framework for LCA/LCC, Scalability and Modelling of the Biomass Waste Supply Chain for Sustainable Aviation Fuel (SAF) Production in the EU
[Elias Nino Horn](#): Critical Aspects and Tools for Designing Circular Processes within the Chemical Industry
[Trond Lehmann](#): Modernizing LCA Modelling for Wastewater Treatment: A Python-based Tool for Impact Assessment
[Bianca Köck](#): Automated Life-Cycle Assessment Pipeline for Sustainable University – Procurement: Concept and Pilot at TU Wien
[Diana Dimand](#): Membrane-based biogas upgrading to biomethane
[Juan Diego Mora Fuentes](#): Life Cycle Assessment of coca leaf utilization in Cauca Region: Environmental Burden of Cocaine Production in Colombia
[Mayuki Cabrera González](#): Economic and Environmental Assessment of Lactic Acid Production from Industrial Waste in Europe: Effects of Process Improvements, Scale-Up, Energy Source, and Market Condition (Poster only)
- 10:30-11:00 **Coffee break** + Poster Session
- 11:00-11:15 **Keynote I: Oliver Cencic**: Dealing with Uncertain Data
Moderation: Manuela Franz
- 11:15-12:15 **Block II – Civil Engineering / Architecture**
Moderation: Bianca Köck, Daniel C. Rosenfeld
[Vanessa Parravicini](#): Life cycle assessment applications and challenges in the wastewater sector
[Daniel C. Rosenfeld](#): Development of a method and presentation option for greenhouse gas savings at TU Wien
[Karin Stieldorf](#): PV/BIPV represented in open BIM (IFC): Integration of environmental data
[Kristina Orehounig](#): Renovate or replace – Finding the optimal decision for buildings considering cumulative CO₂ emissions
[Michael Gruber](#): Greenhouse Gas Emissions in Hot Mix Asphalt Production: A Life Cycle Analysis for Sustainable Construction
[Isidora Citic / Fabian Sprachowitz](#): Asphalt mixture without fresh bitumen? Findings from the NOBIT research project
[Marius Valente](#): Circular Timber – Durability with Horizons
[Ulrich Pont](#): Reuse-Woodhouses - Approaches to Circularity for prefabricated Timberhouses
[Thomas Bednar](#): Life cycle greenhouse gas emissions from buildings - from information to requirements (Poster only)
- 12:15-13:15 **Lunch break – Buffet**

- 13:15-13:45 **Keynote II: Michael Narodoslawsky:**
Normative Basis of Impact Assessment Methods for LCA
Moderation: Manuela Franz
- 13:45-14:45 **Block III – Mechanical Engineering**
Moderation: Rainer Pamminger
[Wolfgang Wimmer](#): Introduction to the Research Group for Ecodesign (15 min)
[Kylian Keimel](#): Calculation of the Product Carbon Footprint for Informed Decision-Making in the Early Stages of Product Development Using the Web-Based Tool ECODESIGN+
[Rainer Pamminger](#): LCA towards environmentally improved solutions applied on a powertrain for electric trucks
[Niklas Marouschek](#): Life Cycle Assessment of a fuel cell electric tractor including hydrogen production
[Gregor Lischka](#): Development of a Software tool for determining the holistic emissions in terms of an LCA approach for vehicle fleets in Europe
[Thomas Trautner](#): Enabling Transparent and Verifiable Product Carbon Footprints through Digital Product and Process Passports
[Josef Baumüller](#): From LCA to Activity-Based GHG-Management
- 14:45-15:15 **Coffee break** + Poster Session
- 15:15-15:45 **Block IV – Electrical Engineering / Computer Science / Other Universities**
Moderation: Gerhard Piringer
[Manuela Franz](#): Land use of energy landscapes – Proposal for a multi-criteria assessment methodology for micro regions
[Stefan Biffel](#): LCA value proposition with technical contributions and data analysis
[Doris Rixrath](#): The Josef-Ressel Centre “Linked System Assessment to Support Sustainable Energy Supplies (LiSA)” (University of Applied Sciences Burgenland)
[Iris Kral / Theresia Kern](#): The “BOKU-LCA Plattform” (BOKU University)
- 15:45-16:30 **Panel Discussion: The role of LCA in sustainability research at universities**
Moderation: Gudrun Weinwurm
[Bettina Mihalyi-Schneider](#) (TU-Wien), [Doris Rixrath](#) (HS Burgenland),
[Iris Kral](#) (BOKU University), [Michael Narodoslawsky](#) (TU-Graz),
[Rainer Pamminger](#) (TU-Wien), [Stavros Papadokonstantakis](#) (TU-Wien)
- 16:30-17:30 Networking, informal discussions with drinks and snacks