



Inter-University Research Seminar

Registration

- The participation in this seminar is **free of charge**. The seminar costs will be covered by the Institute of Business Economics and Industrial Sociology as well as the Faculty of Mechanical Engineering and Economic Sciences of TU Graz.
- **Registration** is open from **now until January 25th 2021**. The number of participants is limited to the max. of **12 persons**. The „first registration - first serve“ principle will be applied, as long as the participants fits into the target group.
- Registration is managed by Amila Omazic, BSc. MSc.
E-mail: [amila.omazic\(at\)tugraz.at](mailto:amila.omazic(at)tugraz.at)

Venue

Graz University of Technology
BWL Seminar Room (NT02088)
Kopernikusgasse 24, 2nd Floor
8010 Graz, Austria

Organisation

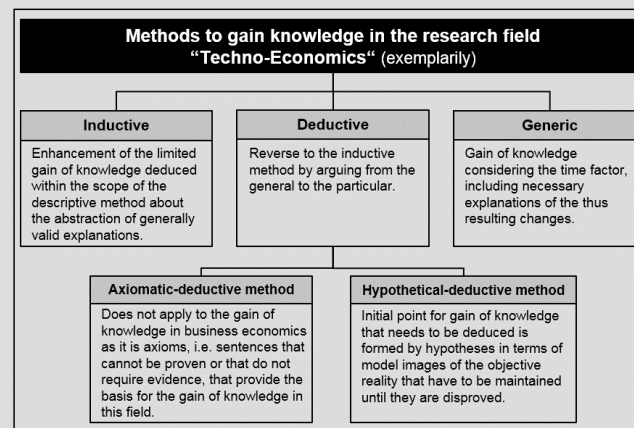
Working Group “Industrial Marketing, Purchasing and Supply Management“ of the Institute of Business Economics and Industrial Sociology in collaboration with the Working Group „Sustainable Construction“ of the Institute of Technology and Testing of Building Materials

For any questions regarding the seminar please do not hesitate and contact Prof. Dr. Bernd M. Zunk
E-Mail: [bernd.zunk\(at\)tugraz.at](mailto:bernd.zunk(at)tugraz.at) or Prof. Dr. Alexander Passer
E-Mail: [alexander.passer\(at\)tugraz.at](mailto:alexander.passer(at)tugraz.at).

Techno-Economic Research Methods

Methods are considered crucial to every scientific discipline as they **ensure rationality and verifiability of scientific findings**.

At a glance, the following figure illustrates a selection of the **key methods** within Business Economics (and, thus, of Techno-Economics and Management Science). Of course, in Business Economics/Techno Economics/Management Science not only abstract methods but also models that reproduce complex economic realities in a simplified way are indispensable.



This might give you a short impression on why this research seminar could be useful for your future research career.



Workshop on Research methods with focus on Sustainability

Date: 28. & 29.01.2021

Goal of this Seminar

The seminar aims at the participants' development of a research strategy and the development towards an **appropriate research methodology**. The plan is an intensive workshop on how to improve **research questions**, selecting a **methodology** and how to **structure** the research project.

The focus is on participants from **social sciences** as well as **industrial engineering and management** with a concrete plan to conduct publishable research.

Target Group

This seminar is especially designed for **master students** in their **last year/PhD students/early stage researchers** that plan to develop their research project with a focus on sustainable building.

Furthermore, this seminar is an initiative on a **European level** in cooperation with the European Professors of Industrial Engineering and Management - **EPIEM** (www.epiem.org).

Schedule

Day 1: Thursday, January 28th 2021

Session 1 (10am to noon)

Epistemological position, body of knowledge, research strategy, validity, operationalisation, chain of evidence, research methodology versus research method/technique.

Session 2 (2pm to 4pm)

Multi-disciplinary, Multi-theoretic and Multi-level Research in the Research Field of Sustainability

Day 2: Friday, January 29th 2021

Session 3 (10am to noon)

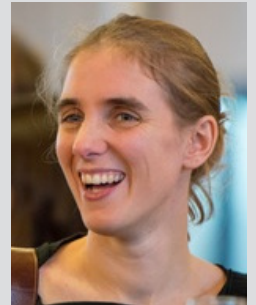
Applying the four quadrants to your research: body of knowledge, problem statement/goal of the research, research question and research methodology.

Session 4 (2pm to 4pm)

Different methods in different disciplines.

Lecturer

Prof. Karen Allacker is an Associate Professor at the Faculty of Engineering Science, Department of Architecture at the University of Leuven in Belgium. Besides that she is Head of the research group Architectural Engineering.



Prof. Allacker obtained her PhD in 2010 with focus on Sustainable Building at the Faculty of Engineering Science at the University of Leuven. 2012-2013 she worked as a Scientific Officer for the Joint Research Centre of European Commission where she collaborated in the development of the Product Environmental Footprint method. Her research focus lies in the field of Sustainable Building with special focus on an Integrated Assessment of Economic, Environmental and Performance Aspects from a Life Cycle Perspective.

Teaching Experience

Karen Allacker teaches courses such as Sustainable Building from a Life Cycle Thinking Perspective, Research Methodology, Architectural design, and Economic and Sustainability Aspects of Architectural and Urban Design.