



Technische  
Universität  
Braunschweig



TU BRAUNSCHWEIG  
summer school



# Automotive Circular Economy Summer School

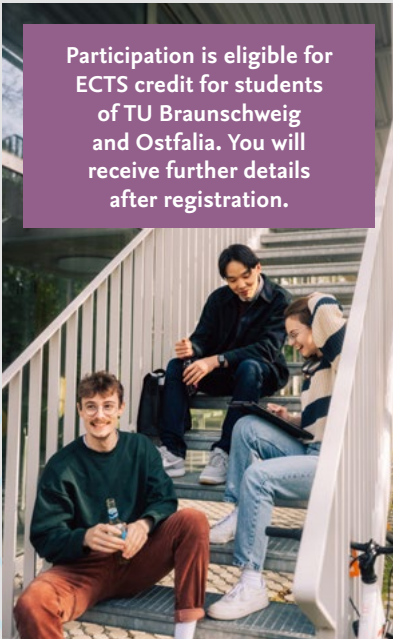
Summer School at the shared  
campus in Wolfsburg  
08–12 September 2025

→ [www.tu-braunschweig.de/en/summer-school](http://www.tu-braunschweig.de/en/summer-school)

# Shape the future of sustainability!

Discover the keys to a circular economy in automotive industry and develop innovative concepts for sustainable mobility.

- Gain exclusive insights into sustainable production processes, taught by renowned professors who vividly combine cutting-edge research with practical applications.
- Benefit from the expertise and experience of leading industry partners who will provide exciting perspectives on future developments and career opportunities.
- Network with dedicated fellow students, experts, and professionals from various disciplines and establish valuable contacts for your future.
- Experience hands-on workshops and inspiring excursions, where you can deepen your knowledge, try out new ideas, and experience real-world practice firsthand.
- **Perfect for anyone who has completed at least the fourth semester in a bachelor's programme and is passionate about sustainability and future-oriented technologies.**



Participation is eligible for ECTS credit for students of TU Braunschweig and Ostfalia. You will receive further details after registration.

Application deadline  
15 August 2025

On the last page of this flyer you will find important information about the application process.



## Design for Circular Economy



Sustainable product development right from the start: Identify the impacts of design decisions and make targeted improvements.



## Reverse Production



Recirculation and recycling: get to know robot-assisted disassembly and identify potential for new solutions.



## Circular material concepts



Materials for a green future: material concepts for efficient recycling and reduced resource consumption.



## System analysis & design



How to achieve holistic change: from material selection to vehicle recycling in the circular economy system.

# Schedule

May be subject to change!

Monday	Tuesday	Wednesday	Thursday	Friday
Welcome, lecture and organisation of the groups	Lecture & simulation	Lecture & experiments	Lecture & workshop	Workshop
	Coffee break			
	Workshop	Experiments	Workshop	Workshop
Lunch break				
Lecture & simulation	Lecture & VW plant tour	Evaluation of experiments, presentation VfL Wolfsburg	Excursion Salzgitter AG	Closing presentation
Evening programme starting at 18:00 e.g. guided tours & joint dinners				







# Shared Campus Wolfsburg

A research campus for automotive circular economy has been established at the Shared Campus Wolfsburg, and thus within the ecosystem of the Open Hybrid LabFactory

Funded by the Federal Ministry of Education and Research, this public-private partnership brings together academic institutions (TU Braunschweig, Fraunhofer-Gesellschaft, Ostfalia), private companies (including Volkswagen), and start-ups under one roof. In a unique technical center with state-of-the-art laboratories and industrial-scale facilities, projects are carried out from the initial concept to the finished automotive component.

During the Summer School, we will lay the groundwork for a sustainable circular economy in automotive engineering through hands-on experiments and analyses, preparing students for future challenges in this field.



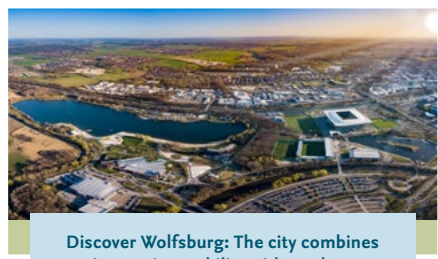
VOLKSWAGEN GROUP



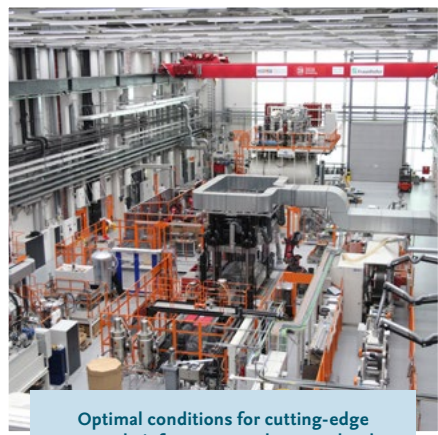
Hands-on research combined with teamwork: develop solutions for tomorrow's mobility.



Sustainability in vehicle construction: research and industry work hand in hand at the Wolfsburg campus.



Discover Wolfsburg: The city combines innovative mobility with modern architecture and green oases.



Optimal conditions for cutting-edge research: infrastructure that seamlessly combines theory and practice.



Discover the world of mobility during our visit to the Autostadt Wolfsburg.



We show you where the future is being created – directly in leading research facilities.

## Key Speakers



**Prof. Dr.-Ing. Klaus Dröder**  
Professor for Production Technologies & Process Automation and Head of the Insitute of Machine Tools and Production Technology (IWF) at TU Braunschweig. CIRP member, on the board of the OHLF and the NFF.



**Prof. Dr.-Ing. Christoph Herrmann**  
Professor of Sustainable Manufacturing and Life Cycle Engineering at the TU Braunschweig and Director of the IWF and the Fraunhofer IST. Head of a German-Australian research group on sustainable manufacturing with UNSW Sydney.



**Prof. Dr.-Ing. Klaus Dilger**  
University Professor of Joining Technology and Head of the Institute of Joining and Welding Technology at TU Braunschweig, Chairman of the Board of OHLF e.V. since 2013.



**Prof. Dr.-Ing. Thomas Vietor**  
Professor of Design Engineering at the TU Braunschweig and Head of the Institute of Engineering Design. Spokesman of the NFF Board and member of the OHLF Board.



**Prof. Dr.-Ing. Martin Müller**  
Professor of Vehicle Body Development at Ostfalia University and Head of the Institute of Vehicle Construction Wolfsburg.

## PARTICIPATION FEE

The participation fee is 60.00 euros. It covers the costs of programme and leisure activities.

## Application until 15 August 2025



To apply for our Summer School, please complete the application form, which you can download on our website. Simply scan the QR code on the left or follow this link

→ [www.tu-braunschweig.de/en/summer-school](http://www.tu-braunschweig.de/en/summer-school)

Please send the completed application form together with all documents listed on the website by e-mail to: ✉ [summerschool@tu-braunschweig.de](mailto:summerschool@tu-braunschweig.de)

Please note: Application is possible until 15 August 2025.



### Contact Person: Ingke Wiese

✉ [i.wiese@tu-braunschweig.de](mailto:i.wiese@tu-braunschweig.de)

☎ +49 172 2385064