



ING

Academic director: Prof. Dr.-Ing. Thomas Suchandt, Vice-President, Ingolstadt University of Applied Sciences
 Coordinator: Ramona Trufin
 Organization: Sonja Bedington, Petra Heckner, Luisa Martin, Katja Winkler
 Target group: International undergraduate and graduate students of engineering, science and technology management

Prerequisites: Basic knowledge in engineering, computer sciences and management. Good level of English
 Language of instruction: English
 Costs: 480 EUR (incl. tuition fees, accommodation in dorms, lectures, excursions, cultural programme, social events, transcript of records)
 Workload: 5 ECTS

Contact: summerschool@haw-ingolstadt.de; **International Office of your home university**
Web: <http://haw-in.de/summerschool>



Highlights:

- Two weeks in the automotive centre of Bavaria, at an equal distance from the large German cities of Munich, Nuremberg, Augsburg and Regensburg;
- Lectures and practical sessions in the fields of automotive engineering and management;
- Focus on mobility and new research trends in the field of automotive engineering;
- Intensive communication and networking with excellent professors with long-term industry experience and with leading experts from the automotive industry;
- One-day racing experience with the "Schanzer Racing Electric Team";
- Excursions to high-performance automotive and aerospace companies: AUDI, BMW, CONTINENTAL, EDAG, EADS;
- An intensive course in German language and culture;
- Social and cultural activities including city guided tours (Ingolstadt, Munich), museum visits (AUDI, BMW), brewery tour, networking events (welcome dinner, campus BBQ, international evening) and leisure activities;
- Brazilian theme-night.

UNIVERSITY OF
 APPLIED SCIENCES
 INGOLSTADT

21
 07
 1
 3



2013
 INTERNATIONAL
 SUMMER SCHOOL
 AUTOMOTIVE ENGINEERING
 AND MANAGEMENT

08



2013
INTERNATIONAL
SUMMER SCHOOL
AUTOMOTIVE ENGINEERING
AND MANAGEMENT



introduction, study trips and leisure
lectures (+ exam)
guest lecture

21
07

Student arrival
Pick-up

17.00 – 19.00
Guided tour
Ingolstadt

19.00
Welcome dinner
Prof. Dr. T. Suchandt
Vice-President

22
07

9.00 – 10.00
**Regis-
tration**
Guided
**cam-
pus**
tour

10.00 – 13.00
Official welcome
Prof. Dr. W. Schober President

Study, research and lifelong
learning programmes
L. Martin / G. Overbeck /
F. Lohrentz

Job opportunities in and
round Ingolstadt
E. Loferer

13.00 – 14.30
Lunch
break

14.30 – 17.00
Introduction into
German language
and culture
R. Trufin

17.00 – 18.30
Contribution
of culture
towards
better
international
trade
Prof. Dr. N.
Chandrasekhar

23
07

9.30 – 12.30
Lecture with exam
Biomimetics in automotive
technologies – Part I
Prof. Dr. J. Wellnitz

12.30 – 14.00
Lunch
break

14.00 – 17.00
Lecture with exam
Biomimetics in automotive
technologies – Part II
Prof. Dr. J. Wellnitz

18.00 – 21.00
Brazilian
theme-night

24
07

9.30 – 12.30
One-day racing experience
with Schanzer Racing
Electric Team
Prof. Dr. K-U. Moll /
M. Fracaro / T. Brückner

12.30 – 14.00
Lunch
break

14.00 – 17.00
One-day racing experience
with Schanzer Racing
Electric Team
Prof. Dr. K-U. Moll /
M. Fracaro / T. Brückner

17.00 – 18.30
Production
technologies
(for automotive
lightweight
design)
Prof. Dr.
B. Griesbach

25
07

9.30 – 12.30
Resource efficiency
in automotive
Prof. Dr. M. Bregulla

12.30 – 14.00
Lunch
break

14.00 – 17.00
Herrnbräu
brewery tour

26
07

9.30 – 12.30
Study trip
EDAG
Snack lunch included

12.30 – 14.00
Lunch
break

14.00 – 17.00
Lecture with exam
Automotive engineering
procurement
Prof. Dr. D. Hecht

17.00 – 22.00
Ingolstadt “by night” – Enjoy student life in the city
Students' Representatives

27
07

One day
in Munich

11.00 – 13.00
Guided city tour

14.00 – 16.00
BMW Museum

Leisure evening programme

28
07

29
07

9.30 – 12.30
Lecture with exam
Fuses for batteries for
electric vehicles
Prof. Dr. H-G. Schweiger

12.30 – 14.00
Lunch
break

14.00 – 17.00
Lecture with exam
New trends in the
automotive industry -
Consequences for
automotive retailing
Prof. Dr. M. Knoppe

17.00 – 18.30
Guest
lecture

30
07

9.30 – 12.30
Study trip
BAUER AG
Snack lunch included

12.30 – 14.00
Lunch
break

14.00 – 17.00
Lecture with exam
Sensor technologies and
Data Fusion for Active
Vehicle Safety
Dr. M. Botsch

17.00 – 18.30
Advanced
leadership
R. Kohler
(EADS/
CASSIDIAN)

31
07

9.30 – 14.00
Study trip
EADS / CASSIDIAN
(Manching Site) Presentation of
the military aviation site
Factory tour / Lunch included

15.00 – 17.00
Laboratory Tours
Machine dynamics / Prof. Dr.
G. Sitzmann /
Acoustics / Prof.
Dr. J. Pöppel

17.00 – 22.00
Campus BBQ

01
08

9.30 – 12.30
Lecture
New trends in
automotive mobility
Prof. Dr. H. Göllinger

12.30 – 14.00
Lunch
break

14.00 – 17.00
Lecture with exam
Merger & acquisition in
automotive industry
Prof. Dr. T. Doyé

17.00 – 18.30
Hybrid electric
vehicles
Dr. V.
Croitorescu
(Univestity
Politecnica of
Bucharest)

02
08

9.30 – 14.00
AUDI AG factory tour
AUDI Museum Mobile
Snack lunch included

14.00 – 16.00
Feedback
Evaluation
Closing
ceremony

19.00
International evening

03
08

Departure