We would especially like to highlight our former students who have spent time abroad, and students who are from abroad and have successfully completed a degree at the University of Ulm. Their professional careers motivate others to study and to be mobile during their education!

I wish you an interesting and enjoyable read

Dieter Kaufmann
Chancellor of the University of Ulm

Exemplary Career Paths

The aim of this book is to show all its readers, but especially our current and future students, what has become of our university’s former students. On the one hand, the contents of this book will serve as an information source on what opportunities can be opened up with a degree from our university. On the other hand, we hope to motivate our students to emulate the alumni presented here. Take advantage of this opportunity to learn more about our graduates. We are presenting selected portraits of University of Ulm graduates who have pursued remarkable careers. The foundations for these careers were laid at the University of Ulm.

Founded in 1967, the University of Ulm is the youngest university in Baden-Wuerttemberg. The University can look back on dynamic development throughout its 40-year history: professors and lecturers have come and gone, new university buildings have been built, new offers have been continually added in the fields of research and teaching. During this time, many students have written their exams, numerous PhD students have finished their dissertations...

What has become of our former students?

Many former undergraduate and PhD students have joined private enterprises; some of them have even founded their own companies. Others have chosen to pursue an academic career. Some are standing at the beginning of their career paths, while others already have interesting careers. We would like to exemplify some of those career paths here in this book, which was created as part of the alUmNi Ulm international project. This project was approved by the German Academic Exchange Service (DAAD - Deutscher Akademischer Austauschdienst) in September of 2006. With its approval, the DAAD is supporting the alumni work at the University at a time in which the internationalisation of the University continues to advance. This is due to the programmes of study now offered for several years in the English language. The alumni office also considerably expanded its services, including its Internet services, the relaunch of its bilingual newsletter, and new printed publications etc.

Editorial

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Are you interested in studying at the University of Ulm? Here is a summary of the most important things you need to know:

Studying with Future Potential

Your future begins with the decision you make about what subject to study. At the University of Ulm, you have the choice between four different faculties and a focused subject spectrum: engineering and computer science, mathematics and economics, medicine and natural sciences. For students who want to grow and develop, we offer high quality education, innovative research and interdisciplinary collaboration. It is possible to shape your own future, due to the variety we offer and the acquiring of «key qualifications». The University of Ulm is a young, conveniently sized and lively university with dedicated professors. This provides our students with the best opportunities for completing their studies quickly and effectively. Within the »Science City« of Ulm, and beyond it, there is close cooperation with businesses, research institutes and other universities. We bridge the gap between theory and practice and our students benefit from that. They learn about academic and industrial demands from collaborative projects, theses, work placements and jobs.

Programmes of Study

- **Engineering and computer science**
  - Electrical engineering (bachelor/master)
  - Computer systems engineering (bachelor/master)
  - Computer science (bachelor/master)
  - Computer science in media (bachelor/master)

- **Mathematics and economics**
  - Mathematics (bachelor/master/teacher certification)
  - Business mathematics (bachelor/master)
  - Economics (bachelor/master)
  - Mathematical biometry (bachelor)

- **Medicine**
  - Human medicine (state exam)
  - Molecular medicine (bachelor/master/doctorate)
  - Dentistry (state exam)

- **Natural sciences**
  - Biochemistry (bachelor/master)
  - Biology (bachelor/master/teacher certification)
  - Chemistry (bachelor/master/teacher certification)
  - Business chemistry (bachelor/master)
  - Physics (bachelor/master/teacher certification)
  - Business physics (bachelor/master)

Programmes of study offered in the English language
- Advanced materials (master)
- Communications technology (master)
- Energy science and technology (master)
- Finance (master)
- Molecular medicine (master, PhD programme)

Minor and further training
- Philosophy (bachelor)
- Languages, literature and culture
- Actuarial sciences

In this brochure, we present you with men and women, in alphabetical order, who have either studied at the University of Ulm, done their PhD here or have spent some time here as a guest scientist. They have left the University in the meantime and have started their careers or are continuing their careers somewhere else. Perhaps some of them can serve as an example for you in your own plans.
The advising and student environment at the University of Ulm were close to ideal, and I have a very close, almost friendly relationship to some of my instructors.”

**Dr. Daniel Bauer**

**Born in 1979 in Stuttgart – Bad Canstatt**

**Education**
- 10/1999 – 06/2005: Studies in business mathematics, Faculty of Mathematics and Economics, University of Ulm (Travel Grant)
  Degree: Diplom degree in business mathematics
  Degree: Master of Science in Statistics
- 06/2005 – 11/2007: Doctoral degree of Dr. rer. nat. in business mathematics, Faculty of Mathematics and Economics, University of Ulm, under apl. Prof. Dr. Hans-Joachim Zwiesler

**Professional Career**
- Since 08/2007: Tenure-track assistant professor at Georgia State University, Atlanta

**Grants and Scholarships**
- 04/2005 – 08/2007: Doctoral studies scholarship in research group 1100 »Modelling, Analysis and Simulation in Business Mathematics« at the University of Ulm

**Awards**
- 05/2006: Junior GAUSS-Award of the »Deutsche Aktuarvereinigung« and the »Deutsche Gesellschaft für Versicherungs- und Finanzmathematik« for the publication »Ein Gesamtmodell zur Bewertung von Guaranteed Minimum Benefits in Fondspolicen« (together with Alexander Kling and Jochen Ruß)
- 05/2008: Award of the »Ulmer Universitätsgesellschaft« for an outstanding thesis
- 11/2008: SCOR-Award for actuarial science

**Selected publications**
- Bauer, D., Kling, A., Ruß, J.
  A universal pricing framework for guaranteed minimum benefits in variable annuities
  ASTIN Bulletin, 2008
- Bauer, D., Böger, M., Ruß, J., Zwiesler, H.-J.
  The volatility of mortality

**Review**

Out of an interest in and a predisposition to the natural sciences, Daniel Bauer decided to study business mathematics at the University of Ulm. The fact that the programme is not only shaped by mathematics, but also »has something to do with business« was important to him. There were several reports in the press showing Ulm in a positive light, especially in the field of business mathematics.

According to Daniel Bauer, the main advantages of the small, friendly University can be found in the personal student-instructor connection and the individual advising. Now - after having completed his degree - he says he would again choose to study in Ulm if he had it to do all over again.

He particularly emphasises the fact that many students at the University of Ulm have the opportunity to study and even take exams abroad.

Daniel Bauer was himself in San Diego, California for a year and completed his Master of Science in Statistics degree there. This was a fantastic experience for him, and also one of the main factors contributing toward his current professional position. In addition to his time abroad and his participation in international conferences, the support of his advisors in Ulm gave him a significant academic advantage.

One thing he really enjoys about his job is the fact that he still associates with students. His advice to future graduates: enjoy your time at the university and try to develop a feeling of fun in your studies.
In those days we always had the feeling of being part of a new beginning - a young university with short ways to our lecturers and between the disciplines. This spirit still keeps alive.

Oliver Brüstle received scholarships from the German Research Foundation and the National Institutes of Health in Bethesda, USA and won the Benningsen Prize 2000. 2004: Presented the Hennessy X. O. Award

Selected publications

Prof. Dr. Oliver Brüstle

Born in 1962 in Biberach

Education
Medicine programme at the University of Ulm and the University of North Carolina at Chapel Hill

PhD
Doctoral degree from the University of Ulm/Institute of Anatomy and Cell Biology, under Prof. Dr. Christoph Pilgrim

Professional Career
1989-1991: Research assistant at the University of Zurich/Institute of Neuroradiology
1992 - 1993: Assistant physician at the University of Erlangen/Neurosurgical Clinic
1993 - 1997: Postdoc at the National Institutes of Health/National Institute of Neurological Disorders and Stroke in Bethesda, USA
1997 - 2002: Team leader at the University of Bonn/Institute of Neuroradiology
2002: Took on a professorship in the Reconstructive Neurobiology Department at the University of Bonn

Oliver Brüstle is a neuropathologist and a well known expert in stem cell research. His scientific focus particularly covers neuronal differentiation of pluripotent stem cells and neurotransplantation. Additionally he is cofounder and CEO of the LIFE & BRAIN GmbH.

Prizes

Selected publications
Born in 1964 in Neu-Ulm

Education
From 1983: Studies in business mathematics at the University of Ulm
1989: Master of Business Administration degree from the University of Illinois in Chicago. Following that, a diploma degree in business mathematics from the University of Ulm

PhD
1994: Doctoral degree of Dr. rer. pol. from the University of Ulm/Institute of Corporate Planning, under Prof. Dr. Peter Gessner

Professional Career
1990: Start of professional career at the Bayerische Hypotheken-und Wechselbank AG in Munich, among other things responsible as project manager for founding the Direkt Anlage Bank
1994 - 1997: Employed by the fund management firm Hypo Foreign & Colonial Management Ltd
1997: Returned to Germany, becoming a member of the management board at the Direkt Anlage Bank AG
03/2002 - 06/2005: Chairman of the management board at Daimler Chrysler Bank AG in Stuttgart. Under his supervision, the bank, which had originally specialised in leasing and financing services, developed into a more customer-oriented universal bank.
Since 07/2005: Deutsche Telekom AG/T-Home Divisional Board Member, responsible for »Quality and processes« and since 11/2005 additionally for »Sales and Customer Services«
Since 02/2007: Divisional Board Member for »Technical Services«

Dr. Roland Folz

I particularly appreciate the almost familiar atmosphere at the University of Ulm which allowed me to build up many personal relations that still endure until today.
Dr. Monika Leibscher

Born in 1973 in Constance

Education
09/1992 - 12/1998: Studies in physics at the University of Ulm/ Faculty of Natural Sciences
Degree: Diplom thesis at the Institute of Quantum Physics, under Prof. Dr. Wolfgang Schleich, on the topic of «Coherence Effects in the Dynamics of the Tunnel Effect»

PhD
01/1999 - 08/2003: Doctoral degree in theoretical chemistry at the Weizmann Institute of Science/ Department of Chemical Physics in Rehovot, Israel, under Prof. Ilya Averbukh, on the topic of «Quantum State Engineering»

Professional Career
11/2003-05/2004: Postdoc at the Royal Institute of Technology/Laser Physics and Optic Group in Stockholm, Sweden, under Prof. Dr. Stig Stenholm
Since 06/2004: Research associate at the Free University of Berlin/ Institute of Chemistry and Biochemistry – Physical and Theoretical Chemistry, under Prof. Joem Manz

Grants and Scholarships
1999 – 2001: Minerva Foundation Scholarship (Max Planck Society)
2001 – 2003: Feinberg Graduate School Scholarship (Weizmann Institute of Science)
2003: QUACS Network (EU) Scholarship
Prize of Excellence from the Weizmann Institute of Science

Awards
2004: Dissertation award – J. F. Kennedy Prize of Excellence from the Weizmann Institute of Science

Selected publications
Dr. Martina Maier

Born in 1967 in Neu-Ulm

Education
1986 - 1992: Studies in business mathematics at the University of Ulm with a concentration in computer science

PhD
Doctoral degree of Dr. rer. nat.

Professional Career
1992: Switch to industry, in order to gain work experience
1992 - 1996: Application development at Heidelberger Druckmaschinen AG, concentration: optimising core processes in the area of new printing machine construction
From 1996: Head of the Computer Science Department at Ulm University Hospital’s Internal Medicine I, followed by a return to industry and taking over partial project management for the generative development of a merchandise management system in Italy and interim management of developing a private health insurance solution in Switzerland with the company tiscon AG.

Since 04/2001: Martina Maier founded eXXcellent solutions GmbH in Ulm in cooperation with four colleagues. She is the CEO and partner of the company.
Martina Maier is also acting chairperson of the Economics Advisory Board for the Faculty of Mathematics and Economics at the University of Ulm.

Awards
In the context of her company eXXcellent solutions, prizes such as the Innovation Area Award are worthy of mention.
PhD
In the early 1980’s, Ashraf Mansour obtained his Master of Sciences in chemistry. 1992: Doctoral degree of Dr. rer. nat. in polymer physics from the University of Ulm/Institute of Applied Physics, under Prof. Dr. Wolfgang Pechhold.

Professional Career
1997: Obtained DSc degree in polymer physics and a professorship
Prof. Dr. Ashraf Mansour is the founder and chairman of the board of trustees of the German University in Cairo. He started dreaming of and believing in establishing the German University in Cairo in 1994. After a lot of planning, hard work and making contacts, this dream became reality in 2003 in Al-Tagamoo Al-Khamis in New Cairo City. The German University in Cairo (GUC) is the first German University to be established outside of Germany – outside of the European borders, actually. It is a private university and was founded by a presidential degree in 2002. The GUC was inaugurated by President Hosni Mubarak, the German Chancellor Gerhard Schroeder and a number of prominent figures in both Egyptian and German academia and industry.

Prof. Ashraf Mansour has not restricted himself to the field of polymer physics, however. Numerous other activities fill his academic life:
Since 1995: Member of the Scientific Board for Conferences and Research at Cairo University
Since 1999: Founder and president of the DAAD Alumni Association, Egypt
He is also a member of various organisations and institutions, e.g. member of the board of trustees of the »Pediatric Oncology Hospital Foundation« in New Cairo City, member of the board of directors of the National Authority of Renewable Energy and honorary senator of the University of Ulm.

 Grants and Scholarships
Doctoral scholarship from the DAAD (Deutscher Akademischer Austauschdienst - German Academic Exchange Service)

»When I returned to Cairo, I would have loved to take the University of Ulm with me.«
Dr. Violaine Rosenstiel-Goidts

Born in 1981

Education
2003: Undergraduate thesis on cancer biology at Harvard Medical School/Dana Farber Cancer Institute/Department of Genetics in Boston, MA, USA, «Participation to the Realization of the RNAome Library and its Use for a Screening on Caenorhabditis Elegans in Order to Understand the TGF Pathway»
2003: Masters degree in molecular biology from the Facultés Universitaires Notre Dame de la Paix in Namur, Belgium

PhD
2003 - 2006: Doctoral studies at the University of Ulm/Institute of Human Genetics on the topic of «Identification of Large-Scale DNA Copy Number Differences between Human and Non-Human Primate Genomes and their Role in Mediating Evolutionary Rearrangements»

Professional Career
Since 05/2006: Postdoc at the DKFZ (German Cancer Research Centre) in Heidelberg

Grants and Scholarships
Doctoral scholarship from the German Research Foundation

Awards
2005: 2005 Award of the Year for the best poster in the category «Human Genetics» at the German Society of Human Genetics Conference in Halle/Saale
2006: The UUG’s (University of Ulm Society’s) doctoral award for an outstanding dissertation
For future physicians, he has the following advice: As a student, you should feel an express eagerness to learn from everyone, not only senior doctors. You should feel and behave as one of the team, rather than a foreigner or a guest. You will then gain the confidence of the paramedical staff because doctors will already know you as a colleague. Having a good relationship with the paramedical staff is very important in medical teamwork.

Assoc. Prof. Dr. med. Samir Shaheen

Born in 1955 in Alexandria, Egypt

Education
1981: MBBS, University of Khartoum
1990: Primary FRCSI, Dublin, Ireland
04/1991 - 12/1993: Studies in medicine, orthopaedics, paediatric orthopaedics, technical orthopaedics
1992: Diplom degree in Sport Medicine, Heidelberg Orthopaedic University, under Univ. Prof. Dr. med. Rompe; PD Dr. med. J. Graf and OA Dr. med. Gussbacher
1993: Training in rehabilitation technology (prosthetic, orthopaedic and amputation surgery) at the Muenster University Hospital under Prof. Dr. René Baumgartner
1999: MD orthopaedic surgery, University of Khartoum

Professional Career
1999: Promoted to assistant professor
2006: Promoted to associate professor of Orthopaedics at the University of Khartoum, Faculty of Medicine.

Review

Sami Shaheen developed an interest in orthopaedics at the beginning of his medical education. Later he developed special interest in paediatric disabilities, amputation surgery, prosthetic fitting and rehabilitation.

He came to Ulm on a fellowship with the Association of Osteosynthesis. There he fit in well with his colleagues as well as the nursing staff and senior doctors.

He had full personal and academic support from all of his superiors in Heidelberg, Muenster and Ulm. He would like to strengthen these relationships.

Today, Samir Shaheen is the head of the Department of Orthopaedics and Traumatology at the University of Khartoum and head of the Paediatric Orthopaedic Department at Soba University Hospital, the only paediatric orthopaedic clinic in Sudan. He is also a volunteer surgeon at the «Khartoum Cheshire Home.» He is very satisfied with his work with disabled children as he can help and serve a poor and underprivileged sector of society.

He was impressed. In Ulm, I met some interested students and discussed some points in clinical methods with them. They were of high standard.

Grants and Scholarships
2005: A.O. Fellowship (fellowship from the International Association of Fracture Fixation Group) in Ulm, guest physician at Ulm University Hospital’s Accident, Hand, Plastic and Reconstructive Surgery Clinic under Prof. Dr. Lothar Kinzl
2008: DAAD Fellowship as a visiting academic at Ulm University Hospital’s Rehabilitation Clinic/Paediatric Orthopaedic Department

For future physicians, he has the following advice: As a student, you should feel an express eagerness to learn from everyone, not only senior doctors. You should feel and behave as one of the team, rather than a foreigner or a guest. You will then gain the confidence of the paramedical staff because doctors will already know you as a colleague. Having a good relationship with the paramedical staff is very important in medical teamwork.
The male denominations in the texts, which are used for better readability, apply also female persons.
This brochure was developed and produced within the framework of the AlUmNI ULM International project, a part of the DAAD Alumni Plus Programme.