

ANDREAS PECHER

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EDUCATION

- 2003 - 2005 **KELLOGG SCHOOL OF MANAGEMENT** Evanston, IL
MCCORMICK SCHOOL OF ENGINEERING
NORTHWESTERN UNIVERSITY
Master of Business Administration degree with distinction, June 2005, GPA 4.0/4.0
Master of Engineering Management degree with distinction, June 2005, GPA 4.0/4.0
- Majors in Management & Strategy, Operations, Technology Management, and Entrepreneurship & Innovation.
 - Elected Graduate Management Association section representative for Career Placement.
 - Panel Co-Chair for Kellogg Technology Conference and Marketing Co-Chair for Nanotechnology Conference.
 - Established new Kellogg Club (Kellogg Nanoalliance), acted as Co-Chair, and increased its membership rate to approximately 10% of the Kellogg Student body within one year.
 - Developed Go-to-Market strategy for nanotechnology start-up company (Advanced Thin Films Inc.).
 - Finalist (final 8 out of 250 participants) at Jungle Media Group / Fenwick & West Business Plan Competition in Mountain View, CA (Silicon Valley) with business plan "NanoSense".
 - Awarded the 2004 Kellogg/McCormick (MMM) Entrepreneurship Prize for business plan "NanoSense".
 - Completed Intellectual Property due diligence for business plan "NanoSense"
- 1990 - 1997 **JULIUS-MAXIMILIANS UNIVERSITÄT** Würzburg, Germany
Master of Science in physics (Dipl.-Phys. Univ.), 1997, GPA equivalent 3.7/4.0
- Thesis based on experimental work in the field of nanophysics resulting in two research papers.
- 1993 - 1994 **THE UNIVERSITY OF TEXAS** Austin, TX
Master of Arts in physics, 1994, GPA 3.7/4.0
- Achieved degree as part of an exchange program within 12 months versus average of 20 months.
 - Thesis based on experimental work in the field of surface magnetism and comprised designing, building, and testing high-technology measurement equipment.

EXPERIENCE

- 2004 - present **McKinsey & Company, Inc.** Munich, Germany
Engagement Manager, 2005 – current
- Led improvement effort of research & development activities for major semiconductor equipment supplier focusing on optimizing embedded software development
 - Led operational improvement project for major semiconductor device manufacturer focusing on chip manufacturing front-end and function test
 - Led definition and design project for IT shared service center for large European high-tech conglomerate.
 - Improved ramp-up of critical product line for aerospace company. Tasks were, among others, optimization of development processes, improving transparency of key performance indicators, and leading re-engineering efforts.
 - Developed novel strategic framework for tackling complexity and design choices in embedded systems for automakers and their suppliers. Research has lead to major McKinsey publication.
- Associate Intern, Summer 2004* Frankfurt, Germany
- Managed pilot program for profitability improvement effort for derivatives business of major German corporate/retail bank. Established and applied controlling system to forecast/control program progress.
 - Developed performance metrics for measuring true economic customer profitability, conducted detailed profitability analysis, and gathered/transferred knowledge on business requirements and existing data sources for CRM selection/Implementation project for major German corporate/retail bank.
- 2005 **Techno Venture Management** Munich, Germany
Consultant, 07 – 08 2005
- Performed due diligence for venture capital investment in electronic design automation (EDA) company.
- 1998 – 2003 **MOTOROLA – Semiconductor Products Sector** Austin, TX
Research and Development Design Engineer, 2001 – 2003
- Led engineering team in verification project for wireless microchip that generated sales of \$25M and was successfully used in cellular telephones.
 - Accelerated project design process by at least 5 weeks by creating software model of microchip within 4 weeks without prior knowledge of applied programming language.
 - Specified and generated logic portion of microchip for automotive applications in 15-member cross-functional development team. Chip set has total projected sales volume of \$350M.

September, 2007

Manufacturing Device Engineer, 1998 – 2000

- Led factory-wide standardization and improvement team for statistical process control and achieved 45% improvement in process control parameters within 7 months.
- Received Team Excellence award for introduction, qualification, and optimization of mission-critical semiconductor product generating sales of \$60M.
- Carried responsibility for highest volume microchip of the factory (25% of factory capacity), which included daily factory support and problem investigation.
- Evaluated purchase of new failure analysis tools, maintained equipment, and trained device engineers in its use.
- Led failure analysis team for factory-wide cross-functional project to improve die yield for highest volume technology. Cumulative yield improvements based on team's input saved approximately \$50M/year.
- Organized sector-wide effort to standardize data gathering and analysis tools across all Motorola semiconductor factories to garner \$5M/year due to improved engineering efficiency.
- Received Team Excellence award for supporting 12-member cross-functional team in removing factory bottleneck which increased factory output by \$3M per month.

1995 **ROBERT BOSCH CORPORATION** Stuttgart, Germany
Research Intern, 03 – 05 1995

- Research led to improved silicon-based micro-optical devices in support of Bosch's optical telecom initiative.

OTHER DATA

- Dual US and German citizen.
- Native German, fluent English, conversant in French and Italian.
- Coached junior Team Handball teams for 10 years and won several regional championships.
- Completed nine marathon runs including qualification time for Boston Marathon.

AWARDS

- Member of Beta Gamma Sigma, International Honor Society for Business and Management.
- Received the Northwestern University's McCormick School of Engineering 2005 Breed Prize awarded to MMM students who demonstrate superior potential for technology-based management, leadership and innovation. Selection criteria include academic excellence, strong creativity, and exceptional ability to synthesize engineering and management skills.
- Received the Kellogg School of Management Operations Management Department Top Student Award.