

Date Prepared: March 2009

Curriculum Vitae

Claudia Koch

Appointed, August 2008
Assistant Professor, since August 2008

EDUCATION

| | | | |
|------|--|------|--------------|
| B.S. | Freiberg University of Mining and Technology | 1993 | (Metallurgy) |
| M.S. | Pittsburg State University | 1990 | (Physics) |

PROFESSIONAL EXPERIENCE

| | | |
|---|---------------------|-----------|
| Missouri Southern State University | Assistant Professor | 2008 – |
| FAG Bearings Joplin | Process Engineer | 2001-2008 |
| Superior Industries International, Inc. | Metallurgist | 1995-2001 |
| Pittsburg State University | Teaching Assistant | 1994-1995 |

COURSES TAUGHT

| | |
|----------------------------------|----------|
| Machine Tool Practices | CAMT 100 |
| CNC Programming | CAMT 200 |
| Introduction to Power and Energy | IET 381 |
| Basic Electricity Electronics | IET 305 |
| Engineering Materials | IET 240 |

COLLEGE SERVICE

| | |
|---|--------------|
| Time Keeper and Proctor, Senior Assessment Day (University) | 2009 |
| Coordinator, Machine Tooling Laboratories (Department) | 2008-present |
| Chair, Safety Committee (Department) | 2008-present |
| Department Representative MSSU Career Day (Department) | 2008 |

RESEARCH

“Growth and metallographic characterization of GaAs- single crystals.” 1993. Freiberg, SX
(*principal investigator*).

“Vapor growth and X-ray characterization of semiconductor materials.” 1995. Pittsburg, KS.
(*co-principal investigator*).

“Fractures in Spindles of Automotive Bearings.” 2004. TRW, Livonia, MI. (*principal investigator*).

“Fractures on inner rings of Automotive Bearings.” 2006. Chrysler. (*principal investigator*).

“Double pressed bars on Automotive Spindles.” 2006. Carolina Forge, Wilson, NC.
(*principal investigator*).

“Current passage failures on ceramic coated Railroad bearings.” 2007. GE, Erie, PA.
(*principal investigator*).

“Surface appearance on honed inner ring raceways.” 2007. GE, Erie, PA. (*principal investigator*).

“Hardness failures on carburized inner rings.” 2008. Dodge Baldor, Greenville, SC.
(*principal investigator*).

PROFESSIONAL MEMBERSHIPS (current)

American Society of Materials
Heat Treater Society