

Shujiang Chen

PERSONAL INFORMATION:

Family Name: CHEN

Given Name: Shujiang

Date of Birth: July 6, 1969

Place of Birth & Citizenship: P.R. China

Gender: male

Marital Status: married

Health: Excellent



Duty: Associate professor of Institute of Mechatronics, School of Mechanical Engineering, Shandong University, P. R. China

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EDUCATION HISTORY:

Ph.D., Mechanical Manufacturing and its Automation, Shandong University, China, 2002

M.S., Mechanical Engineering, Shandong University of Technology, China, 1997

B.S., Chemical Equipment and Machinery Engineering, Zhenzhou Institute of Technology, China, 1992

WORK EXPERIENCE:

Associate professor, School of Mechanical Engineering, Shandong University, China, 09/2008 – present.

Lecturer, School of Mechanical Engineering, Shandong University, China, 09/1999–08/2008.

Technical Engineer, Jinan Chemical Works, Shandong Province, China, 07/1992–09/1995.

RESEARCH EXPERIENCE:

Thermo-dynamics coupling behavior of lubricant in Micro-Space Constraint of ultra-high speed spindle system, 01/2008-present

Automatic production and identification of mold-label, 09/2004 –12/2007

Friction identification and compensation control based on multi-signal coupling characteristics, 09/2004 –9/2006

Lubrication Mechanism of a Spiral Oil Wedge Journal Bearing, 09/2002 –12/2005

CURRENT RESEARCH AREA:

Intelligent maintenance system

Lubrication theory

Bearing-rotator system

TEACHING EXPERIENCE:

The Principle and Application of Single Chip Micro Computer, (Fall 2006, Fall 2007, Fall 2008, Fall 2009)

Case Analysis and Design of Electro-mechanical Products, (Fall 2006, Fall 2007, Fall 2008, Fall 2009)

Electro-mechanical System Design, (Fall 2001, Fall 2003, Fall 2004)

Computer Aided Mechanical Design, (Fall 2000, Fall 2001)

PUBLICATIONS:

- 1 **Chen Shujiang**, Lu Changhou, Li Lei. Fluid flow separation character on novel hybrid journal bearing. Chinese Journal of Mechanical Engineering (English Edition). 2006,19(4):540-543
- 2 **Chen Shujiang**, Lu Changhou. The Analysis of structure on a novel spiral oil wedge hybrid journal bearing. Lubrication Engineering. 2006, 10: 15-18, 21
- 3 **Chen Shujiang**, Lu Changhou, Ma Jinkui. An investigation of anisotropic characteristics on spiral oil wedge hybrid journal bearing. Lubrication Engineering. 2007, 6: 9-12, 30
- 4 **Chen Shujiang**, Lu Changhou, Ma Jinkui. Influence of the outlet hole on performance of a spiral oil wedge hybrid journal bearing. Lubrication Engineering. 2007, 9:12-15,59
- 5 Lu C.H., **Chen S.J.**, Jin C.B.. Finite element analysis on novel high speed hybrid bearing. Key Engineering Materials. 2004,260:834~838
- 6 Lu Changhou, **Chen Shujiang**, Zhang Jianchuan. Theoretical investigation on a novel hydrodynamic journal bearing. Journal of Shanghai University. 2004, 8(S_1):1-6

PATENT:

1. Method for mold Label production. State intellectual property office of P.R.China,2005
2. A New NC device for label emboss . State intellectual property office of P.R.China,2004

COMPUTER SKILLS:

MS Visual Studio, Matlab, AutoCAD, Protel DXP, MCS-51 serial Microprocessor