

Sid Martin Becker  
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**Objective:**

A faculty position in Mechanical Engineering

**Education:**

**North Carolina State University (NCSU)**, Raleigh, NC  
Ph.D.in Mechanical Engineering expected Dec. 2004

**North Carolina State University (NCSU)**, Raleigh, NC  
M.S in Mechanical Engineering ,2003  
B. S in Mechanical Engineering ,2002

**Experience:**

**Department of Mechanical and Aerospace Engineering, NCSU**

Graduate assistant 2002-present

- Numerical studies of bioconvective flow patterns
- Numerical investigations of the interface roughness on turbulent convective heat transfer in a composite porous/fluid duct
- Investigations of thermal effects of significant blood vessels in electroporation and electrochemotherapy
- Conducting introductory fluid mechanics problem solving sessions

**Journal Publications:**

A.V. Kuznetsov and S.M. Becker, Effect of the Interface Roughness on Turbulent Convective Heat Transfer in a Composite Porous/Fluid Duct, *International Communications in Heat and Mass Transfer*, vol. 31, pp. 11-20, 2004.