THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION

PROMOTION RECOMMENDATION

University of Michigan-Flint
College of Arts and Sciences
Department of Mathematics

Shu-Yi Tu, assistant professor of mathematics, Department of Mathematics, College of Arts and Sciences, is recommended for promotion to associate professor of mathematics, with tenure, Department of Mathematics, College of Arts and Sciences.

Academic Degrees:

Ph.D. 1999 University of California, Santa Barbara
M.A. 1995 University of California, Santa Barbara
B.S. 1993 Tung-Hai University (Tai-Chung, Taiwan)

Professional Record:

2001 to Present
Assistant Professor, Department of Mathematics, University of Michigan-Flint

1999 to 2001
Assistant Professor, St. Cloud State University

1998 to 1999
Teaching Associate, University of California

1994 to 1998
Teaching Assistant, University of California

1992 to 1993
Teaching Assistant, Tung-Hai University, Tai-Chung, Taiwan

Summary of Evaluation:

Teaching – Dr. Tu is a dedicated, successful and versatile teacher of a subject that students often love to hate. Over six years she has taught thirteen different preparations, earned consistently high student approval ratings, positive peer evaluations, and positive feedback from former students. Dr. Tu is accessible to students, and an active participant in pedagogical sessions and Teaching Circles at the University.

Research – Over six years, Dr. Tu has published four articles in scholarly journals, two refereed conference papers, has two additional articles accepted and in press, three papers under review, and three additional projects in progress. She has fifteen presentations in venues ranging from department seminars to international conferences. Dr. Tu’s research has been favorably evaluated by her peers and shows no sign of diminishing.

Recent and Significant Publications:


Paper accepted and in press:
Yang, H., Lu, B., and Tu, S. Y. “Another Note on the Mean Value Theorem,” was accepted by Primus in March 2006. This paper will run in late 2006 or early 2007.

Conference papers:


Service – Dr. Tu has actively participated in the life of her department by serving on or chairing various internal committees. She has served the College through her work on the Nominating and Academic Standards Committees, the University through service on its Nominating Committee, and the community by her active participation in the Department’s Math Field Day. Her committed service makes her an excellent colleague.

External Reviewers:

Reviewer (A):
“Dr. Shu-Yi Tu’s main research has been on developing and applying various deterministic and statistical techniques to study important mathematical models in science and engineering. This is one of the most exciting and important research directions in present-day applied mathematics. Dr. Tu has made several outstanding contributions in this direction.”

Reviewer (B):
“Professor Tu is an excellent addition to any research and teaching institution.”

Reviewer (C):
“Overall the candidate has a good and increasing involvement in research & administration and shows considerable promise.”
Reviewer (D):
"... all her papers were well written and the quality was good. Dr. Tu's major research strength is her ability to combine theory and practice in her work."

Reviewer (E):
"Dr. Tu has produced a significant body of work ranging from theoretical results in nonlinear wave equations to the development and application of mathematical techniques in materials science and manufacturing technology. She has also produced important work in mathematical pedagogy."

Summary of Recommendation:
Over six years, Dr. Tu has proven her worth through fine teaching, excellent scholarship and committed service. She has earned promotion to the rank of associate professor, with tenure. We therefore enthusiastically recommend Shu-Yi Tu to the title of associate professor of mathematics, with tenure, Department of Mathematics, College of Arts and Sciences.

Recommended by:

Christine Waters, Acting Dean
College of Arts and Sciences

Recommendation endorsed by:

Jack Kay, Acting Chancellor and
Provost and Vice Chancellor for Academic Affairs

May 2007