

**THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION**

PROMOTION RECOMMENDATION

University of Michigan-Flint
College of Arts and Sciences
Department of Earth and Resource Science

Randall L. Repic, associate professor of earth and resource science, with tenure, Department of Earth and Resource Science, College of Arts and Sciences, is recommended for promotion to professor of earth and resource science, with tenure, Department of Earth and Resource Science, College of Arts and Sciences.

Academic Degrees:

Ph.D.	1993	Indiana State University
M.A.	1987	Indiana State University
B.S.	1980	Aquinas College

Professional Record:

1999 to present	Associate Professor, Department of Earth and Resource Science, University of Michigan-Flint
1998 to 1999	Instructor, USEPA Hazardous Waste Operations and Emergency Response Certification, National Center for Integrated Bioremediation Research and Development, University of Michigan, Oscoda, Michigan
1995 to 1996	Invited Scientist, Texas Natural Resource Conservation Commission, Texas
1994 to 1995	Invited Scientist, U.S. Department of Agriculture, Oklahoma
1993 to present	Director, Earth Science Teachers Certificate Program, Earth and Resource Science Department, University of Michigan-Flint
1993 to 1999	Assistant Professor of Earth and Resource Science, Department of Earth and Resource Science, University of Michigan-Flint
1992 to 1993	Lecturer cum-Assistant Professor, Department of Earth and Resource Science, University of Michigan-Flint
1992 to 1993	Research Associate, Regional Groundwater Center, Flint, Michigan
1991 to 1993	Environmental Manager, GPD Associates, Indianapolis, Indiana

Summary of Evaluation:

Teaching – In the classroom, Dr. Repic is outstanding. Every course is well-planned and executed, with complete syllabi and the use of a variety of teaching methods. Dr. Repic empowers students in the learning process by combining theory, methods, and practical fieldwork. The comments of “great teacher” and “great class” appear frequently on all the student reviews. Behind this excellent performance is the ability of Dr. Repic to connect with students; each semester he learns the names of every student in this 120-student lecture, while making science fun and challenging for students who are primarily taking the course for general education. He has engaged in course development, including teaching online.

Research – Dr. Repic has successfully published three peer-reviewed papers in prestigious international journals which apply remote sensing technology to ecological and hydrological problems. Two of these papers have been published in *Geocarto International*, which is a highly respected international forum for mapping and remote sensing research. Another paper has been published in *Aquatic Ecosystem Health and Management*, a first-tier international research journal in the arena of ecological management. Dr. Repic has also compiled an impressive body of applied research. This research is represented by numerous technical papers and presentations in the disciplines of remote sensing and emergency response.

Recent and Significant Publications:

- Repic, R. L. "Globe Certification for Teachers." GLOBE (Global Learning and Observations to Benefit the Environment) is a worldwide hands-on, primary and secondary school-based education and science program. Developed and delivered a four-day program for earth and resource pre-service and in service community school teachers to become "GLOBE" Certified. April 2005.
- Repic, R. L. "Phase I ESA for Garfield Properties Fenton Michigan." Conducted with eight students from ESA Class final Professional Report completed for the Owner Developer. Winter 2004.
- Repic, R. L. "Assessing Wastewater Discharge to the Subtropical Rio Grande Using Aerial Videography and Insitu Physicochemistry." *Geocarto International*, Vol. 19, No. 4. December 2004 (peer reviewed international journal).
- Repic, R. L. "Assessing Freshwater Inflows Into the Hypersaline Lower Laguna Madre Estuary of Texas Using Spectral Radiometry, Aerial Videography, and insitu Physicochemistry." *Aquatic Ecosystem Health and Management*, Vol. 5, Number 2. June 2, 2002 (peer reviewed international journal).
- Repic, R. L. "Airborne Videography for the Inventory and Mapping of Point and Non-Point Source Discharges Into the Rio Grande and Arroyo Colorado of Subtropical South Texas." *Geocarto International*, Vol.15, No. 2, pp.45-50. Hong Kong, 2000 (peer reviewed international journal).
- Repic, R. L. *Fundamentals of Remote Sensing* (unpublished textbook), 104 pages. Written for GEO 304, this text was written specifically for class with intention of future publication.
- Repic, R. L. "The Development of a Health, Safety, and Hazardous Materials Emergency Response (CFR1910) Program for North American Processing." Brown City, Michigan, Dan Adamic, President and Principle. 1999.
- Repic, R. L. "An Assessment of the Freshwater Inflows Into the Laguna Madre Using in situ Physicochemistry, Spectral Radiometry, and Aerial Videography." Proceeding of the 17th Bi-annual Workshop on Aerial Photography and Videography in Resource Assessment. American Society for Photogrammetry and Remote Sensing. Reno, NV 1999.

Service – At all levels, department, college, university, and community, Dr. Repic has achieved and maintained a very high standard of service. His preparation of the teacher certification program (TCP) recently approved by the State of Michigan, and his efforts to obtain GLOBE Science Program Certification to help train in-service earth science teachers, merit special mention. GLOBE is a highly respected international science program directed by NASA, the National Science Foundation, and the U.S. Department of State, and in-service teachers obtaining this certification are in high demand. In addition, his service includes an extraordinary amount of work on internal university and department committees. Within his department, Dr. Repic is highly respected, collegial, and well-liked. He has participated on all faculty search committees and has mentored junior faculty well. He has also served on Academic Council and currently serves on the College Executive Committee.

External Reviewers:

Reviewer (A)

"... [Dr. Repic] had eight publications or scholarly contributions since he was promoted to Associate Professor in 1999. This would be slightly more than one per year, which I would consider to be good to excellent given his teaching load and concentration on undergraduate teaching."

Reviewer (B)

"... most recently written research articles have all been published in international journals. Two of these appeared in the journal *GeoCarto International* that I can attest is considered among the best by remote sensing practitioners."

Reviewer (C)

"I feel that these studies conducted by Professor Repic and colleagues represent a practical contribution to the field of applied environmental remote sensing. Furthermore, that the 2000 and 2004 papers were published in *Geocarto International*, one of the top three or four journals in remote sensing and Geographic Information Science indicates that this research has withstood rigorous peer-review."

Reviewer (D)

"... [Dr. Repic] has published two very valuable pieces of work and published them in a leading international journal *Geocarto International*. ... In all his three research [articles], Dr. Repic has taken the challenge of choosing real world problems and identifying the problem using remotely sensed data."

Reviewer (E)

The articles "are all related to previous publications by Professor Repic which is good. The articles also demonstrate that his research is focused and growing in quantity."

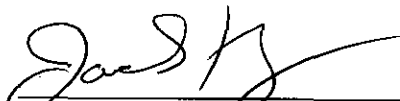
Summary of Recommendation:

Dr. Repic's record presents a distinguished career of thirteen years. He is a gifted teacher, productive scholar, a valued colleague, and has performed exceptional service to our university. As a teacher, he has high expectations of his students and of himself in the classroom. These expectations have required – and more importantly – have allowed students to become intellectually involved with critical issues affecting their lives as citizens beyond the campus boundaries. His scholarly work clearly demonstrates a strong linkage between research and publication across several disciplines in important venues. We therefore enthusiastically recommend Randall L. Repic to the title of professor of earth and resource science, with tenure, Department of Earth and Resource Science, College of Arts and Sciences.

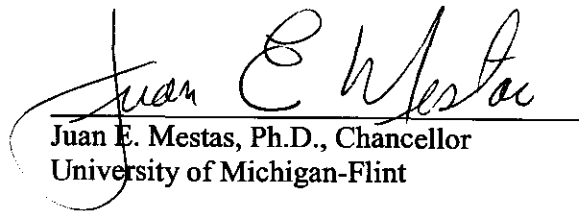


D. J. Trela, Ph.D., Dean
College of Arts and Sciences

Recommendation endorsed by:



Jack Kay, Ph.D., Provost and
Vice Chancellor for Academic Affairs



Juan E. Mestas, Ph.D., Chancellor
University of Michigan-Flint

May 2006