PROMOTION RECOMMENDATION
University of Michigan-Flint
College of Arts and Sciences
Department of Computer Science, Engineering, and Physics

Murali Mani, assistant professor of computer science, Department of Computer Science, Engineering, and Physics, College of Arts and Sciences, is recommended for promotion to associate professor of computer science, with tenure, Department of Computer Science, Engineering, and Physics, College of Arts and Sciences.

Academic Degrees:

- Ph.D. 2003 University of California-Los Angeles
- M.S. 2000 University of California-Los Angeles
- B.Tech. 1998 Indian Institute of Technology-Madras

Professional Record:

- 2010 – Present  Assistant Professor of Computer Science, University of Michigan-Flint
- 2003 – 2009  Assistant Professor of Computer Science, Worcester Polytechnic Institute
- 2008 – 2003  Research Assistant, University of California-Los Angeles
- 2000 – 2003  Teaching Assistant, University of California-Los Angeles
- 1997 – 1998  Teaching Assistant, Indian Institute of Technology-Madras

Summary of Evaluation:

Teaching – Professor Mani is a fine teacher who engages his students meaningfully in his research as part of his pedagogy. He has taught regularly five different undergraduate courses successfully. In addition, he has taught regularly in the graduate programs of computer science, engineering, and physics. Students respond well to the teaching of Professor Mani because he uses high impact practices such as involvement in experiential learning through research. This sort of excellent teaching is well suited for the further growth of computer science at the University of Michigan-Flint.

Research – The research productivity of Professor Mani is outstanding in terms of both quantity and quality. He regularly presents and is published in conferences and journals that are considered very high in the discipline of computer science on the topics of secure query in cloud environments and XML stream processing. These research topics are important and especially timely given the expansion of computing platforms and mobile devices worldwide. Professor Murali has demonstrated a significant commitment to research that should maintain his excellent productivity well into the future.

Recent and Significant Publications:

Journal Publications


**Book Chapter**


**Recent Conference Activity – Competitive Papers**


Murali Mani, Mohamad Alawa, and Arunlal Kalyanasundaram. “Algebraic Constructs for Querying Provenance,” International Conference on Advances in Databases, Knowledge and Data Applications (DBKDA), Saint Giles, Reunion Island, February-March 2012.


Service – Professor Mani has been effectively engaged in service at the departmental and college level at UM-Flint. In addition, he has been actively involved with service to professional organizations related to Computer Science in a way that is consistent with expectations within his department and UM-Flint generally. Recently he was appointed to a strategic planning group to help shape the future of the College of Arts and Sciences.

External Reviewers:

Reviewer (A):
“Dr. Mani has also worked in the Scholarship of Teaching and Learning in Computer Science Education and has published a paper in ACM SIGCSE, which is considered a top conference in the area. ... Dr. Mani has an excellent publication record from his graduate school days and has maintained it over the years. Recently, he has published mainly in conferences and workshops as opposed to journals.”

Reviewer (B):
“My overall impression of Dr. Mani’s scholarship is that it is of good quality and quantity for an assistant professor at an institution that requires an 18 semester hour teaching load per year.”

Reviewer (C):
“I would like to comment on Dr. Mani’s strong publication record. He has published in top conferences in the Database area, including two prestigious papers in VLDB, which is considered the second best database conference (after SIGMOD).”

Reviewer (D):
“Professor Mani’s early research was on formal aspects of XML Schema and data modeling, and his paper on the taxonomy of XML Schema languages in Transactions on Internet Technology is his most significant work in this area. It is widely cited and highly regarded.”

Reviewer (E):
“My impression of Mani’s research work is excellent. Since year 2010 up to date, Mani has published 10 papers based the [sic] DBLP list, a highly referenced publication index in computer science. Among these publications, 6 are ranked at excellent Level in Australian standards.”

Reviewer (F):
“Murali has published extensively in conferences and journals (more than 50) at various prestigious venues including at PVLDB and VLDB, ACM SIGCSE, ICDE, ACM DEBS, IDEAS, DASFAA,
DKE, ACMTOIT, WWW, ACM SIGMOD workshops, XSym and EEXTT. His work has had significant impact in research community, which is also evidenced by his total number of citations (more than 1500)."

Summary of Recommendation:

Professor Mani is a gifted teacher who engages his students meaningfully in the learning process. He is also a productive scholar working on important topics that will impact the discipline and society. I concur with the Executive Committee and enthusiastically recommend that Murali Mani be promoted to associate professor of computer science, with tenure, Department of Computer Science, Engineering, and Physics, College of Arts and Sciences.

Recommended by:

Albert C. Price, Interim Dean
College of Arts and Sciences

Recommendation endorsed by:

Gerard Yoland, Provost and
Vice Chancellor for Academic Affairs

Ruth J. Person, Chancellor
University of Michigan-Flint

May 2014