Hamid Behmard

Mathematics Department
Western Oregon University
(503)838-8869 (office), (503)540-8595 (home)
Email: behmarh@wou.edu
Fax: (503)838-8072

PERSONAL

Home Address: 1786 Olympia Ave. NW, Salem, OR 97304

EDUCATION

Ph.D. Mathematics   *Degree:* July, 1999
Oregon State University, Corvallis, Oregon

M.S. Mathematics   *Degree:* June, 1996
Oregon State University, Corvallis, Oregon

B.A. Mathematics, Magna Cum Laude   *Degree:* June, 1993
Berea College, Berea, Kentucky

PROFESSIONAL EMPLOYMENT

Professor of Mathematics, Western Oregon University	9/09 – Present
The Mathematics Department Chair, WOU	9/06 – 6/09
Associate Professor of Mathematics, WOU	6/04 – 6/09
Assistant Professor of Mathematics, WOU	0/99 – 6/04
Online Instructor, Chemeketa Community College	9/05 – 9/07
Adjunct Instructor, Chemeketa Community College	9/97 – 9/99
Graduate Teaching Assistant, Oregon State University	9/93 – 8/99

PROFESSIONAL ACTIVITIES

Faculty member of the University Accreditation Committee (UAC)	2011 – Present
Faculty Development Committee, Chair	2010 – 2011
Reviewer for IEEE Transactions on Information Theory	2011 – Present
Reviewer for IEEE Transactions on Signal Processing	2008 – Present
Reviewer for ICTA (Information and Communication Technologies and Applications)	2008 – Present
Judge for science competition in the Oregon Junior Academy of Science	2000 & 2008
Graduate student organizer of the 15th and 19th Annual Oregon Mathematics Tournament, Oregon State University	1995 & 1999

TEACHING

College Algebra, Precalculus, Calculus Series, Discrete Mathematics, Differential Equations, Linear Algebra, Numerical Analysis, Mathematical Modeling, Stochastic Modeling, Operations Research, Advanced Calculus, Graph Theory, Group & Ring Theory, Digital Signal Processing.

RESEARCH

Developing efficient algorithms for recovery of one and multi-dimensional signals using irregular sampling sets and application of these methods in speech

and image processing.

PUBLICATIONS "Efficient Reconstruction Algorithms Using Shifted Lattices", published in IEEE Transactions on Signal Processing in 2009.

"Construction of Sampling Theorems for Unions of Shifted Lattices", Published in the Sampling Theory in Signal and Image Processing (STSIP) in 2006, coauthors: Adel Faridani & David Walnut.

"Reconstruction of 2-D Signals from Unions of Shifted Lattices", Proceedings of ICASSP (IEEE) 2005.

"A General Framework for Filter Banks and Perfect Reconstruction", published in the proceedings of the Fifth International Conference on Sampling Theory and Applications (SampTA03) in 2003, coauthor: Adel Faridani.

"Sampling of Bandlimited Functions on Unions of Shifted Lattices", published in the Journal of Fourier Analysis and Applications (JFAA) in 2001, coauthor: Adel Faridani.

PRESENTATIONS "Web based assessment software, advantages and disadvantages", Pacific Northwest Sectional Meeting of the Mathematical Association of America, June 2011

"An Efficient Reconstruction Method for Bandlimited Images using Nonperiodic Sampling Sets", SIAM Conference on Imaging Science, July 2008

"An Efficient Reconstruction Method for Discrete Bandlimited Signals", GAMM-SIAM Conference on Applied Linear Algebra, July 2006

"Reconstruction of 2-D Signals from Unions of Shifted Lattices", ICASSP (IEEE), May 2005

"A General Framework for Filter Banks and Perfect Reconstruction", the Fifth International Conference on Sampling Theory and Applications (SampTA03), Strobl, Austria in 2003

"Sampling of Bandlimited Functions on Unions of Shifted Lattices", the Fourth International Conference on Sampling Theory and Applications (SampTA01), Orlando, Florida in 2001

"Group Theoretical Approach to Filter Banks", joint meetings of American Mathematical Society and Mathematical Association of America, August 2000

"Achieving Higher Angular Velocity for a Rotating Body-Beam System", Oregon Academy of Science, March 1996

MEMBERSHIPS   The Institute for Electrical and Electronics Engineering (IEEE)
President Elect of the Honor Society of Phi Kappa Phi, WOU Chapter
Member of the Honor Society of Pi Mu Epsilon, Berea College