

SOE W. MYINT

Associate Professor

School of Geographical Sciences, Arizona State University

P.O. Box 870104, Tempe, AZ 85287-0104

Email: Soe.Myint@asu.edu; Phone: (480) 965-6514 ; Fax: (480) 965-8313

Education

Ph.D., Geography (GISciences), Louisiana State University

M.S., Natural Resources Program (Environmental Remote Sensing and Geoinformation for Development), Asian Institute of Technology

Post-Grad. Diploma, Forest Survey (Aerospace Remote Sensing Techniques), International Institute for Aerospace Survey and Earth Sciences (ITC), the Netherlands

B.S., Forestry, Rangoon University

Appointments

2008 – Present: Associate Professor, School of Geographical Sciences, Arizona State University

2005 – 2008: Assistant Professor, School of Geographical Sciences, Arizona State University

2001 – 2005: Assistant Professor, Department of Geography, University of Oklahoma

2001 – 2005: Associate Director, Center for Spatial Analysis, University of Oklahoma

1994 – 1998: Research Specialist, United Nations Environment Program (UNEP/EAP-AP)

1983 – 1992: Deputy Manager, National Forest Management/Inventory project, (UNDP/FAO/MYA/85/003)

Awards and Honors

- (1) AITAA Distinguished Alumni Award (2007) for Academic and Research Excellence, Asian Institute of Technology.
- (2) Best Paper Award for Early Career Scholars in Remote Sensing, Remote Sensing Specialty Group - AAG, 2007.
- (3) Listed in Who's Who in the World (Marquis Who's Who – 2007).
- (4) Listed in Who's Who in America (61st edition of Marquis Who's Who in America – 2007).
- (5) Listed in Who's Who in Science and Engineering (9th edition of Marquis Who's Who – 2006-2007).
- (6) Listed in Who's Who in America (60th diamond edition of Marquis Who's Who in America – Oct. 2005).
- (7) Listed in Who's Who in American Education (7th edition of Marquis Who's Who in America – Dec. 2005).
- (8) CPGIS Scholar, 2005, selected by the Chinese Professionals in Geographic Information Science Abroad (CPGIS) to give lectures and research presentations at Jiangxi Normal University and Hubei University as part of the CPGIS Young Scholar Summit.
- (9) Runner-up for the Early Career Award, 2004, Remote Sensing Specialty Group – AAG.
- (10) CSISS Scholarship (Center for Spatially Integrated Social Science) to attend 2003 Geographically Weighted Regression workshop, University of California, Santa Barbara.
- (11) Intergraph Young Scholar Award (UCGIS), 2002 UCGIS Summer Assembly, University of Georgia, Athens.
- (12) USGS Scholar Award, First International Conference on GIScience, 2000, Savannah, GA, USA.
- (13) Consultant (GIS) to World Health Organization (WHO), Geneva, Switzerland (1999).
- (14) Best Student Paper Award – AAG - Remote Sensing Specialty Group, 2001 AAG meeting.
- (15) Best Student Paper Award – American Society for Photogrammetry and Remote Sensing (ASPRS) – Mid-South Region Meeting at Clemson University, South Carolina, 2000.
- (16) Best Student Paper Award (UCGIS-2000), 2000 UCGIS Summer Assembly, Portland, Oregon. Forty-two GIS/RS Graduate students from different Disciplines/Departments and Universities across the United States participated in the competition.
- (17) Best Poster Presentation Award, 1998 - 18th Asian Conference on Remote Sensing, Kuala Lumpur, Malaysia.
- (18) AAG - Otis Paul Starkey Dissertation Research Award. Association of American Geographers, 2001.
- (19) William G. Haag Award (2001). Most outstanding paper in professional meetings, Dept. of Geography & Anthropology, LSU.

- (20) Second Place Student Paper Award, 2000 South Western Division AAG meeting, Texas A&M University.
- (21) Second Place Student Paper Award, 1999 South Western Division AAG meeting at Texas State University, San Marcos.
- (22) Robert C. West Field Research Award (November, 2000). Department of Geography and Anthropology, LSU.
- (23) Student Oral Paper Presentation Award and Travel Award, UCGIS-2000. UCGIS Summer Assembly, Portland, Oregon.
- (24) Graduate School Scholars Enhanced Assistantship Award and Tuition Award, (9,000 US\$, 1999 - 2001), LSU (1999 - 2001).
- (25) Graduate School Travel Awards (3 awards): Graduate School, Louisiana State University [(October, 1999), (April, 2000), (October, 2000)].
- (26) Best Student Award, 87th Public Service Officers Training Course (No. 87), Myanmar, 1987.
- (27) Best Student Award, Basic Officer Training Course No.1 – Myanmar Timber Enterprise, Ministry of Forestry.
- (28) Netherlands Government's Fellowship, Post Graduate Diploma studies at ITC, the Netherlands (1988 - 1989).
- (29) French Government Scholarship, M.S. - Asian Institute of Technology, Bangkok (1993 - 1994).

Peer Reviewed Publications

- (1) **Myint, S.W.**, 2001. A Robust Texture Analysis and Classification Approach for Urban Land-Use and Land-Cover Feature Discrimination, *Geocarto International*, 16(4):27-38.
- (2) **Myint, S.W.**, and N. Walker, 2002. Quantification of Surface Suspended Sediments Along a River Dominated Coast with NOAA AVHRR and SeaWiFS Measurements: Louisiana, USA, *International Journal of Remote Sensing*, 23(16): 3229-3249.
- (3) **Myint, S.W.**, N.S.N. Lam, J. Tyler, 2002. An Evaluation of Four Different Wavelet Decomposition Procedures for Spatial Feature Discrimination Within and Around Urban Areas, *Transactions in GIS*, 6(4):403-429.
- (4) **Myint, S.W.**, 2003. Fractal Approaches in Texture Analysis and Classification of Remotely Sensed Data: Comparisons with Spatial Autocorrelation Techniques and Simple Descriptive Statistics, *International Journal of Remote Sensing*, 24(9): 1925-1947.
- (5) **Myint, S.W.**, 2003. The Use of Wavelets for Feature Extraction of Cities in Satellite Images, *Remotely Sensed Cities* (Victor Mesev, editor), Taylor and Frances, pp. 109-134.
- (6) Walker, N., **S.W. Myint**, A. Babin and A. Haag, 2003. Advances in satellite radiometry for the surveillance of surface temperatures, ocean eddies and upwelling processes in the Gulf of Mexico using GOES-8 measurements during summer, *Geophysical Research Letters*, 30(16): 1854,doi:10.1029/2003GLO17555.
- (7) **Myint, S.W.**, N.S.N. Lam, J. Tyler, 2004. Wavelet for Urban Spatial Feature Discrimination: Comparisons with Fractal, Spatial Autocorrelation, and Spatial Co-occurrence Approaches, *Photogrammetric Engineering and Remote Sensing*, 70(7):803-812.
- (8) **Myint, S.W.**, and N.S.N Lam, 2005. A Study of Lacunarity-Based Texture Analysis Approaches to Improve Urban Image Classification, *Computers, Environment, and Urban Systems*, 29(2005):501-523. (Listed as one of the top 25 hottest articles by Science Direct).
- (9) **Myint, S.W.**, and N.S.N Lam, 2005. Examining Lacunarity Approaches in Comparison with Fractal and Spatial Autocorrelation Techniques for Urban Mapping, *Photogrammetric Engineering and Remote Sensing*, 71(8):927-937.
- (10) **Myint, S.W.**, 2006. Urban vegetation mapping using sub-pixel analysis and expert system rules: A critical approach, *International Journal of Remote Sensing*, 27(12-14):2645-2665.
- (11) S.J. Purkis, **S.W. Myint**, and B. M. Riegl, 2006. Enhanced detection of the coral *Acropora cervicornis* from satellite imagery using a textural operator, *Remote Sensing of Environment*, 101(2006):82-94.
- (12) **Myint, S.W.**, V. Mesev, and N.S.N Lam, 2006. Texture Analysis and Classification Through A Modified Lacunarity Analysis Based on Differential Box Counting Method, *Geographical Analysis*, 38(2006)371-390.
- (13) **Myint, S.W.** and L. Wang, 2006. Multi-criteria Decision Approach for Land Use Land Cover Change Using Markov Chain Analysis and Cellular Automata Approach, *Canadian Journal of Remote Sensing*, 32(6):390-404.
- (14) **Myint, S.W.**, 2006. A New Framework for Effective Urban Land Use Land Cover Classification: A Wavelet Approach, *GIScience and Remote Sensing*, 43(2):155-178.

- (15) **Myint, S.W.**, 2006. Urban Mapping with Geospatial Algorithms, *Urban Remote Sensing* (Qihao Weng and Dale Quattrochi, editors), Taylor and Frances, pp. 109-135.
- (16) Tang, J, L. Wang, and **S.W. Myint**, 2007. Improving urban classification through fuzzy supervised classification and spectral mixture analysis, *International Journal of Remote Sensing*, 28(18): 4047-4063.
- (17) **Myint, S.W.**, E. Wentz, and S. Purkis, 2007. Employing spatial metrics in urban land use/land cover mapping: comparing the Getis and Geary indices, *Photogrammetric Engineering and Remote Sensing*, 73(21):1403-1415. (Best Paper Award Winner).
- (18) **Myint, S.W.**, C.P. Giri, L. Wang, Z. Zhu, and S. Gillette, 2008. Identifying mangrove species and their surrounding land use and land cover classes using an object oriented approach with a lacunarity spatial measure, *GIScience and Remote Sensing*, 45(2):188-208.
- (19) **Myint, S.W.**, 2008. An Exploration of Spatial Dispersion, Pattern and Association of Socio-economic Functional Units in an Urban System, *Applied Geography*, 28(2008):168-188 (Listed as one of the top 25 hottest articles by Science Direct).
- (20) **Myint, S.W.**, V. Mesev, and L. Ma, 2008. Performance of image textural classification: a comparison of wavelet transforms with geospatial and traditional approaches (under review).
- (21) **Myint, S.W.**, Y. May, R. Cerveny, and C.P. Giri, 2008. Categorizing Natural Disaster Damage Assessment Using Satellite-Based Geospatial Techniques, *Natural Hazards and Earth System Sciences*, 8:707-719.
- (22) **Myint, S.W.**, Y. May, R. Cerveny, and C.P. Giri, 2008. Comparison of remote sensing image processing techniques to identify tornado damage areas from Landsat TM data, *Sensors*, 8: 1128-1156.
- (23) **Myint, S.W.**, and G.S. Okin, 2009. Modelling land-cover types using multiple endmember spectral mixture analysis in a desert city, *International Journal of Remote Sensing*, 30(9):2237 – 2257.
- (24) **Myint, S.W.**, 2010. Multi-resolution Decomposition in Relation to Characteristic Scales and Local Window Sizes Using an Operational Wavelet Algorithm, *International Journal of Remote Sensing*, 31(10):2551-2572.
- (25) Gober, P., A. Brazel, R. Quay, **S. Myint**, S. Grossman-Clarke, A. Miller, and S. Rossi, 2009. Using Watered Landscapes to Manipulate Urban Heat Island Effects, How Much Water Will It Take to Cool Phoenix?, *Journal of the American Planning Association*, 76:109-121.
- (26) **Myint, S.W.**, 2010. Spatial Autocorrelation, *Encyclopedia of Geography* (in press).
- (27) **Myint, S.W.**, Brazel, A., Okin, G., and Buyantuyev, A.. 2010. Combined effects of impervious surface and vegetation covers on air temperature variations in a rapidly expanding desert city, *GIScience and Remote Sensing*, 47: (3) 301-320.
- (28) Mesev, V., and **Myint, S.W.**, 2010. Performance of image textural classification: a comparison of wavelet transforms with geospatial and traditional approaches, *International Journal of Remote Sensing* (in press).
- (29) **Myint, S.W.**, Gober, P., Brazel, A, Grossman-Clarke, S., and Weng, Q., 2009. Multiple classification strategies for urban object extraction using fine resolution imagery, *Remote Sensing of Environment* (under review).
- (30) **Myint, S.W.**, and Stow, D., 2010. An object-oriented pattern recognition approach for urban classification. In X. Yang (Editor), *Urban Remote Sensing, Monitoring, Synthesis and Modeling in the Urban Environment*, John Wiley & Sons (in press).
- (31) Middel, A., Brazel, A., Hagen, B., and **Myint, S.W.**, 2010. Land cover modification scenarios and their effects on daytime heating in the inner core residential neighborhoods in Phoenix, AZ, USA, *Journal of Urban Technology* (under review).
- (32) **Myint, S. W.**, Jyoti, J., S Guhathakurta, 2010 Patterns and rates of land use change: a case study of Ambos Nogales (Arizona and Sonora), *Journal of Latin American Geography* (in press).
- (33) **Myint, S.W.**, and Stow, D., 2010. An object-oriented pattern recognition approach for urban classification. In X. Yang (Editor), *Urban Remote Sensing, Monitoring, Synthesis and Modeling in the Urban Environment*, John Wiley & Sons (in press).
- (34) **Myint, S.W.**, Jain, J., Lukinbeal, C., and Lara-Valencia, F., 2010. Simulating urban growth on the U.S.-Mexico border: Nogales, Arizona and Nogales, Sonora, *Canadian Journal of Remote Sensing* (in press).
- (35) **Myint, S.W.**, et al., 2010. Spatial pattern of vegetation and impervious area in relation to the maximum air temperature in Phoenix (under preparation).

Other Publications

- (1) Myint, S. W., C. Thongthap, and A. Eiumnoh, 1997. Soil Nutrient Depletion Modeling Using Remote Sensing and GIS: A Case Study in Chonburi, Thailand. *Proceedings of the 18th Asian Conference on Remote Sensing*, 20-25 October, 1997, Kuala Lumpur, Malaysia, pp. R51-R53.
- (2) Myint S. W., and S. Shrestha, 1997. *Macro-level Assessment and Monitoring of Coastal and Suspended Sediment Concentration and Vegetation Conditions (South China Sea)*, UNEP Environment Assessment Technical Report, United Nations Environment Program/Environment Assessment Programme for Asia and the Pacific, Bangkok, Classification No. 140.00 M33 1998 (pp. 24).
- (3) Myint, S.W., 2000. *Image texture analysis with high-resolution multi-spectral image data using wavelet transforms* – UCGIS Web publication (<http://dusk2.geo.orst.edu/ucgis/web/oregon/papers/myint.htm>).
- (4) Myint, S.W., 1994. *The use of NOAA/AVHRR data for vegetation cover mapping of Myanmar through digital image processing and GIS* (M.S. Thesis).
- (5) Myint, S.W., 2001. *Texture Analysis and Classification of Urban Environment Using High-resolution Multispectral Image Data* (Ph. D. Dissertation).

Funded Grants

- (1) NSF Project, Elizabeth Wentz (PI), Soe Myint (Co-PI), International Workshop on Geospatial Solutions to Analyze Rapid Urbanization, \$45,000.
- (2) Decision Center for a Desert City (DCDC) funded project (PI, 2010/2011), The sensitivity of urban climate models to land cover fractions (with Elizabeth Wentz, Anthony Brazel).
- (3) DCDC funded project (PI 2009 - 2010), Exploring heat island effect and water consumption in relation to spatial distribution and pattern of urban land covers in a desert city, (with Tony Brazel and Libby Wentz), \$14,500
- (4) DCDC funded project (Co-PI 2009 - 2010), Building spatially-explicit analytical tools for assessing and understanding water use under climatic uncertainty (with Libby Wentz and Tony Brazel), \$7,800.
- (5) DCDC funded project (Co-PI), Neighborhood Evapotranspiration Variation in the City of Phoenix: an Hourly, Seasonal, and Annual Evaluation Using the Local-scale Urban Meteorological Parameterization Scheme (LUMPS), \$21,327.
- (6) NASA grant (Co-PI, 2008 – 2010), Tropical Mangrove Forests: Global Distributions and Dynamics (1990-2005) (Co-PI with Chandra Prasad Giri, USGS Science Application International Corporation)/National Center for EROS, Edward Barbier, University of Wyoming, and Zhiliang Zhu, USGS National Center for EROS, \$525,000.
- (7) NSF grant (PI, 2007 – 2008), Modelling Tsunami Effects on Mangrove Ecosystems and the role they play in saving lives and properties, \$49,996 (1st year seed grant).
- (8) Southwest Consortium for Environmental Research and Policy – FY 2006 Applied Border Environmental Research Program grant (2006-2007). Urban growth patterns along the U.S.-Mexico border, the case of Yuma-San Luis and Ambos Nogales (Co-PI with Jana Hutchins and Francisco Lara-Valencia), \$79,368.00.
- (9) CAP LTER ASU summer grant (PI, 2006), Modeling Urban Impervious Surface Areas in Relation to Urban Heat Island Effects, \$7,000.
- (10) NSF grant (PI, 2004 - 2007). An Exploration of Frequency-based Multi-scale Multi-decomposition Techniques for Effective Urban Mapping, \$99,315 (Single PI).
- (11) NASA grant (PI, 2003 - 2004) through Institute for Advanced Education in Geospatial Sciences, University of Mississippi, (National Open Competition), Dynamic online course for Community Growth, \$80,000 (Co-PIs – Dr. Xiaojunn Yang, Florida State University, Dr. Qing Shen, University of Maryland, College Park).
- (12) NASA EPSCoR Grant (PI, 2002). Automated Spatial Feature Extraction and Classification Within and Around Urban Environment Using High-resolution Digital Image Data, \$21,000.
- (13) Junior Faculty Research Grant (PI, 2002). An Exploration of Lacunarity Approaches in Texture Analysis and Classification of Remotely Sensed Data: Comparisons with Fractal Analysis, Spatial Autocorrelation, and Spatial Co-occurrence Matrix (University of Oklahoma), \$6,000.
- (14) NASA EPSCoR (2001) travel grant to visit a NASA center of excellence, ~\$1,500.
- (15) Vice President for Research, OU travel grant (2001), ~\$1,500.

Federal Government Public Advisory Committees

- (1) EPA panel member (2004) – Environmental Protection Agency proposal review panel.
- (2) NSF panel member (2004) – National Science Foundation proposal review panel.
- (3) NSF proposal reviewer (2004) – National Science Foundation (different program from the above).
- (4) Proposal reviewer for the U.S. Civilian Research and Development Foundation and for science advisors to the State Department at Los Alamos, Sandia, Lawrence Livermore, Brookhaven and Pacific Northwest National Laboratories (2004).
- (5) EPA panel member (2005) – Environmental Protection Agency proposal review panel.
- (6) NSF panel member (2005) – National Science Foundation proposal review panel.
- (7) NSF proposal reviewer (2005) – National Science Foundation (different program from the above).
- (8) NSF proposal reviewer (2007) – National Science Foundation.

Significant Services

- (1) President, American Society for Photogrammetry and Remote Sensing - Southwest US Region (2009)
- (2) Vice Chair, Remote Sensing Specialty Group, Association of American Geographers (2009-2011)
- (3) Co-Chair, Technical Program Committee - 2010 ASPRS Annual Conference (2009-2010)
- (4) Vice President, American Society for Photogrammetry and Remote Sensing - Southwest Region (2008)
- (5) Director, Remote Sensing Specialty Group, Association of American Geographers (2008-2009)
- (6) Session Organizer for the 2008 AAG meeting, Remote Sensing Specialty Group, Association of American Geographers.
- (7) Director, American Society for Photogrammetry and Remote Sensing - Southwest US Region (2006 – 2007)
- (8) Membership Chair, American Society for Photogrammetry and Remote Sensing - Southwest Region (2006)
- (9) Faculty Advisor, ASU Chapter of the American Society for Photogrammetry and Remote Sensing (2007 – present)
- (10) Award Committee, American Society for Photogrammetry and Remote Sensing - Southwest Region (2007 – present)
- (11) UCGIS – ASU delegate (2006-2007)
- (12) Member – Computer Committee (2006-2007), School of Geographical Sciences, ASU
- (13) Member – Graduate Recruiting and Admission Committee (2006-2007), School of Geographical Sciences, ASU
- (14) Forum organizer - School of Geographical Sciences, ASU (Fall 2006)
- (15) Associate Director – Center for Spatial Analysis (2001-2005), University of Oklahoma
- (16) Faculty Advisor – Geography Club (2002-2005), University of Oklahoma
- (17) Faculty Sponsor – OU Chapter of the Gamma Theta Upsilon (2002-2005), University of Oklahoma
- (18) Faculty Fellow – Institute for Science and Public Policy (2002-2005), University of Oklahoma
- (19) Consultant – World Health Organization, Switzerland, 1999 (ref:STC 797794/001 - WHO)

Other services

- (1) Served as a judge for the AAG Remote Sensing Specialty Group student honors paper competition at the 2010 AAG meeting. in Washington DC (April 14 to 18, 2010).
- (2) Soe Myint, Session Chair, Remote Sensing and GIS for Urban Analysis I - Friday, 4/16/10, from 8:00 AM - 9:40 AM, 2010 Association of American Geographers Meeting, Washington DC.
- (3) Organizer for the Spring 2007 - Southwest Region of the American Society for Photogrammetry & Remote Sensing (SW-ASPRS) technical meeting at the Arizona State University. Served as Chair of two sessions and presented a paper titled Modeling Urban Land Covers Using Multiple Endmember Spectral Mixture Analysis at the Technical Meeting, Date: March 7, 2007.
- (4) Forum organizer - School of Geographical Sciences, ASU (Fall 2006).
- (5) Participated as a Judge in a Graduate Student Competition - Explain Your Research 1, 2, 3 held on March 3, 2006.
- (6) Participated as a Judge in a Graduate Student Competition titled “2006 Earth, Life, and Social Sciences Graduate Research Symposium” (Competition for the best presentation awards) at Arizona State University.
- (7) Member of Computer Committee, School of Geographical Sciences, ASU, 2006.
- (8) Member of Graduate Student Recruiting Committee, School of Geographical Sciences, ASU, 2006.

- (9) Served as Chair of the Geography session at the Arizona Nevada Academy of Science in Flagstaff, Arizona (31 March 2007).
- (10) Served as a judge for the AAG Remote Sensing Specialty Group student honors paper competition at the 2007 AAG meeting in San Francisco (April 17 to 23, 2007).

Professional Membership

- (1) Association of American Geographers
- (2) Association of Pacific Coast Geographers
- (3) American Society for Photogrammetry and Remote Sensing

Conference Presentations/ Exhibitions/ Colloquia

- Myint, Soe Win (2010). The impact of detailed land-cover categories on urban warming, Association of American Geographers Meeting, Friday, 4/16/10, Washington DC.
- Myint, Soe Win (2009). First Brown Bag Lunch presentation for GeoDa titled “Object-based urban classification using a fine resolution imagery” February 5, 2009.
- Myint, Soe Win (2009). Object-Based Urban Mapping, Southwest US Region, American Society for Photogrammetry & Remote Sensing (SWASPRS) Technical Meeting and 53rd Annual Arizona-Nevada Academy of Sciences (ANAS) Meeting, University of Arizona, Tucson, AZ, 4 April 2009.
- Myint, Soe Win (2009). Land use and Land Cover Change along the US-Mexico Border, The Case of Ambos Nogales, USA National Phenology Network (USA-NPN) & SW Region, American Society for Photogrammetry & Remote Sensing (SW-ASPRS), University of Arizona, Tucson, AZ, October 2, 2009.
- Myint, Soe Win (2009). Identification of Urban Land Covers Using An Object-oriented Approach, 2009 AAG Annual Meeting, Las Vegas, NV, Thursday, 3/26/09.
- Myint, Soe Win (2008). An object-oriented approach and a lacunarity measure to identify different mangrove species and their surrounding land-use and land-cover types, 2008 AAG meeting, (April 15 to 19, 2008) in Boston.
- Myint, Soe Win (2008). From sub-pixel to a group of pixels in environmental remote sensing, School of Geographical Sciences, ASU, February 8, 2008.
- Myint, Soe Win (2008). Identifying Tornado Damaged Areas Using An Object-oriented Approach and Change Detection Techniques, Southwest Region of the ASPRS technical meeting and the 52nd annual meeting of the Arizona Nevada Academy of Science (ANAS) at Southwest College, Phoenix.
- Myint, Soe Win (2007). Which approach is the best: sub-pixel, per-pixel, or geospatial techniques in image processing, Oregon State University (invited), November 2, 2007.
- Myint, Soe Win (2007). An interactive function of impervious and vegetation covers in relation to the urban heat island effect, University of Oklahoma (invited), August, 24, 2007.
- Myint, Soe Win (2007). Quantifying impervious surfaces in the Phoenix metropolitan area using multiple endmember spectral mixture analysis, 2007 AAG meeting, (April 17 to 23, 2007) in San Francisco.
- Myint, Soe Win (2007). Modeling Urban Land Covers Using Multiple Endmember Spectral Mixture Analysis at the American Society for Photogrammetry & Remote Sensing (ASPRS) Southwest Region Spring 2007 Technical Meeting, March 7, 2007, Global Institute of Sustainability, Arizona State University.
- Myint, Soe Win (2007). A Lacunarity Approach for Urban Land Use Land Cover Classification at the 51st Annual Meeting of the Arizona-Nevada Academy of Sciences and part of Southwest Region, American Society of Photogrammetry & Remote Sensing, Northern Arizona University (March 31, 2007).
- Myint, Soe Win (2007). Quantifying impervious surfaces in the Phoenix metropolitan area using multiple endmember spectral mixture analysis, The CAP LTER Symposium, January 10th from 8:00 am to 4:30 pm, Carson Ballroom, Arizona State University.
- Myint, Soe Win (2006). An Exploration of Spatial Dispersion, Pattern, and Association of Socio-economic Functional Units in an Urban System, The 2006 Meeting of The AAG, March 7-11 2006, Chicago, IL.
- Myint, Soe Win (2006). Mapping urban vegetation using sub-pixel analysis and expert system rules, 50th Annual Meeting of the Arizona-Nevada Academy of Science, University of Arizona, Tucson, April 8, 2006.

- Myint, Soe Win (2005). A Multi-scale Framework for Effective Land-Use Land-Cover Mapping: A Wavelet Approach in Comparison to Other Advanced Geospatial Techniques. Paper presented at the USGS EROS, Sioux Falls, South Dakota (September 19-20, 2005).
- Myint, Soe Win (2005). A Multi-scale Framework for Effective Land-Use Land-Cover Mapping. Paper presented at the Meadowlands Environmental Research Institute, New Jersey Meadowlands Commission, Lyndhurst, New Jersey (October 16 -18, 2005).
- Myint, Soe Win (2005). A New Wavelet Based Classification Framework. Paper presented at Poyang Lake Complex Environment Conference, Nanchang, Jinagxi province, China (June 27-29, 2005).
- Myint, Soe Win (2005). A New Operational Algorithm for Effective Urban Classification: A Wavelet Approach. Paper presented at the Association of American Geographers annual meeting, Denver (5 - 9 April, 2005)
- Myint, Soe Win (2003). An Exploration of Lacunarity Approaches in Urban Texture Analysis and Classification. Paper presented at the Association of American Geographers annual meeting, New Orleans (5 - 8 March, 2003)
- Myint, Soe Win (2001). Fractal Approaches in Texture Analysis and Classification of Remotely Sensed Data: Comparisons with Spatial Autocorrelation Techniques and Simple Descriptive Statistics. Paper presented at the Southwestern Division of the Association of American Geographers SWAAG Meeting, Ft. Worth, Texas (14-17 November, 2001).
- Myint, Soe Win (2001). Comparisons Between Wavelet Transforms and Fractal Analysis Methods for discriminating classes of Urban Land Cover From High Resolution Image Data. Paper presented at the Association of American Geographers annual meeting, New York (27 Feb. - 3 March, 2001)
- Myint, Soe Win (2000). Wavelet transforms: an efficient alternative approach to traditional land cover classifiers. Paper presented at the Southwestern Division of the Association of American Geographers SWAAG Meeting at the Texas A&M University (2 - 4 November, 2000).
- Myint, Soe Win (2000). Comparisons between Urban Mapping Units Derived from Spatial Co-occurrence Matrix and Wavelet Transforms. Paper presented at the American Society for Photogrammetry and Remote Sensing - Fall 2000 Mid-South Region Meeting (MS-ASPRS), at the Clemson University, Clemson, South Carolina (19 - 20 October, 2000).
- Myint, Soe Win (2000). Image texture analysis with high-resolution multispectral image data using wavelet transforms. Paper presented at the 2000 University Consortium for Geographic Information Science (UCGIS) Annual Assembly and Summer Retreat, Portland, Oregon (21 - 24 June, 2000).
- Myint, Soe Win (2000). The Use of Wavelets for Feature Extraction of Urban Areas in Satellite Images. Paper presented at the Association of American Geographers annual meeting, Pittsburgh, Pennsylvania (4 - 8 April, 2000)
- Myint, Soe Win, (1999). Application of NOAA AVHRR and SeaWiFS reflectance measurements for the Detection and Quantification of Surface Suspended Sediments along a River Dominated Coast, Louisiana. Paper presented at the Southwestern Division of the Association of American Geographers (SWAAG) Meeting at the Southwest Texas State University (19 - 23 October, 1999).

- Myint, Soe Win (1998). Three Different Models for Mapping Salt Affected Soils Using Remote Sensing and GIS. Paper presented at the Fall Meeting for Southwestern Division of the Association of American Geographers (SWAAG) meeting at the Louisiana State University (29 - 31 October, 1998).
- Myint, Soe Win, C. Thongthap, and A. Euimnoh(1997). Nutrient Depletion Modeling Using Remote Sensing and GIS: A Case Study in Chonburi, Thailand. Paper presented at the 18th Asian Conference on Remote Sensing, Kuala Lumpur (20 - 24 October, 1997).
- Myint, Soe Win (1996). Assessment and Monitoring of Coastal and Suspended Sediment Concentration and Vegetation Conditions. Paper presented at the third working group meeting for Coastal and Marine Environment Management Information System, Sanya, Hainan, China (27 - 29 August, 1996) (organized and sponsored by ADB and UNEP).
- Myint, Soe Win (1995). Assessment and Monitoring of Land Degradation and Desertification using Remote Sensing and GIS. Paper presented at the Asia-Pacific meeting on the follow-up to the international convention to combat Desertification, IBC, Ygn (10 - 13 April 1995) (organized and sponsored by ESCAP/UNDP/UNEP).