Victor Mesev, Harrison V. Chase Professor of Geography
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Florida State University, Tallahassee, Florida 32312, USA
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Research

Urban remote sensing, integration of GIS/remote sensing, image spectral/spatial/temporal classification, disaggregate cartographic representations, urban morphological modeling, population geography, conflict mapping, and geography of sport.

Appointments

2015–present	Geography Graduate & Undergraduate Program Director, Florida State University
2006–2015	Chair, Department of Geography, Florida State University
2008–present	Professor of Geography, Florida State University
2004–2008	Associate Professor of Geography, Florida State University
2001–2004	Lecturer B (tenured) in Geography, University of Ulster, Coleraine, UK
1999–2001	Lecturer A in Geography, University of Ulster, Coleraine, UK
1998–1999	Research Associate, Natural Environment Research Council, University of Bristol, UK
1995–1998	Research Fellow, Economic & Social Research Council, University of Bristol, UK
1994–1995	Lecturer in Geography, University of Bristol, UK

Education

1991–1995	Ph.D. Geography, University of Bristol, United Kingdom
1989–1991	M.A. Geography, Ohio State University, Columbus, OH, United States
1986–1989	B.A. Geography (1st Class Honors), University of Leicester, United Kingdom

Teaching

Graduate: Advanced Geographic Information Science; Advanced Remote Sensing; Introductory Geographic Information Systems; Introductory Remote Sensing. Undergraduate: Map Analysis; Urban Analysis; Sports Geography; Physical Geography; Geography of Britain & Ireland

Florida State Committees

2016–present	Board of Governors Disciplinary Committee
2016–present	Faculty Senate Committee (and 2007-2008, 2012-2013)
2016–present	Graduate Policy Committee (and 2008-2009)
2016-present	College Policy and Academic Affairs Committee
2015–present	Postdoctoral Liaison Officer for Geography
2014-2015	College Promotion & Tenure Committee (and 2006-2007, 2011-2012)
2012–2013	University Promotion & Tenure Committee
2006–2015	College of Social Sciences & Public Policy College Administrative Committee

Publications (total=57)

Books

1. **Mesev, V.** 2007. *Integration of GIS and Remote Sensing* (edited), Chichester: Wiley.
2. **Mesev, V.** 2003. *Remotely Sensed Cities* (edited), London: CRC Press.

Journal Articles, Book Chapters, and Encyclopedia Entries

3. Fricker, T., Elsner, J.B., **Mesev, V.** and Jagger, T.H. A dasymetric method to apportion tornado casualties spatially. *Computers & Geosciences* (under review).

4. Kang, M.J. and **Mesev, V.** Modeling stormwater quality: Comparison of stormwater quality between an arid and a humid city. *Remote Sensing Applications: Society & Environment*

5. Elsner, J.B., Fricker, T., Jagger, T.H. and **Mesev, V.** 2016. Statistical models for predicting tornado rates: Case studies from Oklahoma and the Mid South USA. *International Journal of Safety and Security Engineering* 6 (1), 1–9.

6. **Mesev, V.** 2016. Spatial filtering. In D Richardson (Editor-in-chief) *International Encyclopedia of Geography: People, the Earth, Environment, and Technology*, Wiley-Blackwell.

7. Strode, G., Thornton, B., **Mesev, V.** and Johnson, N. 2016. Bivariate statistical legends: Mapping examples on Florida covariance data using scatterplots from open source visual analytic tools. *The Florida Geographer* 47, 1–17.

8. Myint, S.W., **Mesev, V.**, Quattrochi, D. and Wentz, E.A. 2016. Urban image classification: per-pixel classifiers, sub-pixel analysis, object-based image analysis, and geospatial methods. In Prasad S Thenkabil (Ed) *Remotely Sensed Data Characterization, Classification, and Accuracies*. Boca Raton: Taylor & Francis, 219–230.

9. Kang, M.J., **Mesev, V.** and Myint, S.W. 2015. Measurements of impervious surfaces: Per-pixel, sub-pixel, and object-oriented classification. *Korean Journal of Remote Sensing* 31, 303–319.

10. Sim, S. and **Mesev, V.** 2014. Measuring and modeling of urban growth and its impacts on vegetation and species habitats in Greater Orlando, Florida. *International Journal of Geospatial and Environmental Research* 1, 1–16.

11. Kang, M.J., **Mesev, V.** and Myint, S.W. 2014. Urbanization and quality of stormwater runoff: Remote sensing measurements of land cover in an arid city. *Korean Journal of Remote Sensing* 30, 399–415.

12. Finlayson, C.C. and **Mesev, V.** 2014. Emotional encounters in sacred spaces: The case of the Church of Jesus Christ of Latter-day Saints. *The Professional Geographer* 66, 436–442.

13. Wentz, E.A., Anderson, S., Fragkias, M., Netzband, M., **Mesev, V.**, Myint, S.W., Quattrochi, D., Rahman, A. and Seto, K.C. 2014. Supporting global environmental change research: a review of trends and knowledge gaps in urban remote sensing. *Remote Sensing* 6, 3879–3905.

14. **Mesev, V.** 2014. Definition of GIS and 9 other related terms. In J Matthews (coordinating editor) *Encyclopaedic Dictionary of Environmental Change*, 2nd Edition. London: Sage.

15. Scheitlin, K.N., **Mesev, V.** and Elsner, J.B. 2013. Polyline averaging using distance surfaces: A spatial hurricane climatology. *Computers & Geosciences* 52, 126–131.

16. **Mesev, V.**, Shirlow, P. and Downs, J.A. 2013. The geography of conflict and death in Belfast, Northern Ireland. In A Kobayashi (Ed) *Geographies of Peace and Armed Conflict*, Routledge, 76–86.

17. **Mesev, V.** 2012. Multiscale and multitemporal urban remote sensing. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences* Volume XXXIX-B2, 17–21.

18. Myint, S.W. and **Mesev, V.** 2012. A comparative analysis of spatial indices and wavelet-based classification. *Remote Sensing Letters* 3, 141–150.

19. **Mesev, V.** 2011. Exploring the temporal lag between the structure and function of urban areas. In X Yang (Ed) *Urban Remote Sensing: Monitoring, Synthesis and Modeling in the Urban Environment*, Chichester, UK: Wiley-Blackwell, 155–162.

20. **Mesev, V.** 2010. Image interpretation. *Encyclopedia of Geography*. SAGE Publications. <http://www.sage-ereference.com/geography/Article_n612.html>

21. **Mesev, V.** 2010. Classification of urban areas: inferring land use from the interpretation of land cover. In T Rashed and C Jurgens (Eds) *Remote Sensing of Urban and Suburban Areas*, Berlin: Springer, 141–164.

22. **Mesev, V.**, Shirlow, P. and Downs, J.A. 2009. The geography of conflict and death in Belfast, Northern Ireland. *Annals of the Association of American Geographers* 99: 5 (Special Issue on *Geographies of Peace and Armed Conflict*), 893–903.

23. **Mesev, V.** and McKenzie, P.J. 2008. Urban neighborhood pattern recognition using high spatial resolution remotely sensed data and point-based GIS data sources. In S Wise and M Craglia (Eds) *GIS and Evidence-based Policy Making*, London: CRC, 19–42.

24. **Mesev, V.**, Courtney, R.S., Downs, J.A., Shirlow, P. and Binns, A. 2008. GIS lessons from the Belfast 'troubles'. In D Sui (Ed) *Geospatial Technologies and Homeland Security: Research Frontiers and Future Challenges*. Springer: Berlin, 83–102.

25. **Mesev, V.** 2007. Fusion of point-based urban data with IKONOS imagery for locating urban neighborhood features and patterns. *Information Fusion* 8, 157–167.

26. **Mesev, V.** and Walrath, A. 2007. GIS and remote sensing integration: In search of a definition. In V Mesev (Ed) *Integration of GIS and Remote Sensing*, Chichester: Wiley, 1–16.

27. Shine, T. and **Mesev, V.** 2007. Remote sensing and GIS for ephemeral wetland monitoring and sustainability in southern Mauritania. In V Mesev (Ed) *Integration of GIS and Remote Sensing*, Chichester: Wiley, 269–290.

28. Myint, S.W., **Mesev, V.** and Lam, N. 2006. Urban textural analysis from remote sensor data: Lacunarity measurements based on the differential box counting method. *Geographical Analysis* 38, 371–390.

29. **Mesev, V.** and Lam, N. 2006. Change detection through spatial/ textural/ numerical analysis. In M Ridd and J Hipple (Eds) *The Manual of Remote Sensing 3rd Edition: Volume 5: Remote Sensing of Human Settlements,* Bethesda: ASPRS, 550–564.

30. Bjorgo, E., Camp, L.E., Card, D.H., Chung, J.M., Dudley-Murphy, E.A., Gillies, R.R., Hipple, J.D., Hernandez, M.W., Hofmann, P., Jurgens, C., Lam, N., Massasati, A.S., Merola, J.A., **Mesev, V.**, Quattrochi, D.A. and Wheeler, D.J. (alphabetical order) 2006. Change detection through spatial/ textural/numerical analysis. In M K Ridd and J D Hipple (Eds) *The Manual of Remote Sensing* 3rd Edition: Volume 5: Remote Sensing of Human Settlements, Bethesda: ASPRS.

31. **Mesev, V.** 2005. Identification and characterization of urban building patterns using IKONOS imagery and point-based postal data. *Computers, Environment & Urban Systems* 29, 541–557.

32. **Mesev, V.** 2005. Urban land use reconstruction: image pattern recognition from address point information. *The ISPRS International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences* 34-7.

33. **Mesev, V.** 2004. Neighborhood pattern recognition from mailing information: Links with satellite imagery. *Journal of Space Communication* (*Remote Sensing from Satellites*) issue 3 [http://satjournal.tcom.ohiou.edu/pdf/Mesev.pdf].

34. **Mesev, V.** 2003. Urban land use uncertainty: Bayesian approaches to urban image classification. In V Mesev (Ed) *Remotely Sensed Cities*, London: CRC Press, 207–222.

35. Longley, P.A. and **Mesev, V.** 2002. Measurement of density gradients and space-filling in urban systems. *Papers in Regional Science* 81, 1–28.

36. **Mesev, V.** 2002. Definitions of GIS and other related terms. In J Matthews (coordinating editor) *The Encyclopedic Dictionary of Environmental Change*, London: Arnold.

37. **Mesev, V.** 2001. Bayesian modifications to maximum-likelihood classifications of urban characteristics. In A Nienartowicz and M Kunz (Eds) *GIS and Remote Sensing in Studies of Landscape Structure and Functioning*, Poland: Nicholas Copernicus Press, 51–75.

38. **Mesev, V.** 2001. Modified maximum likelihood classifications of urban land use: spatial segmentation of prior probabilities. *Geocarto International* 16, 39–47.

39. **Mesev, V.** and Longley, P.A. 2001. Measuring the 'urban' measuring and modeling a regional settlement hierarchy. In N Tate and P Atkinson (Eds) *Modeling Scale in Geographical Information Science*, Chichester: Wiley, 53–67.

40. **Mesev, V.**, Gorte, B. and Longley, P.A. 2001. Modified maximum-likelihood classification algorithms and their application to urban remote sensing. In JP Donnay, M Barnsley and P Longley (Eds) *Remote Sensing and Urban Analysis*, London: Taylor & Francis, 71–94.

41. Longley, P.A. and **Mesev, V.** 2001. Measuring urban morphology using remotely sensed imagery. In JP Donnay, M Barnsley and P Longley (Eds) *Remote Sensing and Urban Analysis*, London: Taylor & Francis, 163–183.

42. Longley, P.A. and **Mesev, V.** 2000. On the measurement and generalization of urban morphology. *Environment and Planning A* 32, 473–488.

43. **Mesev, V.** 1999. Integration issues in GIS and remote sensing. *Computers, Environment & Urban Systems* 23, 1–3.

44. **Mesev, V.** and Longley, P.A. 1999. Urban analysis from remote sensing and GIS. In P Atkinson and N Tate (Eds) *Advances in Remote Sensing and GIS Analysis*, Chichester: Wiley, 185–206.

45. **Mesev, V.** 1999. From measurement to analysis: a GIS/RS approach to urban density changes. In M Craglia and H Onsrud (Eds) *Geographic Information Research: Transatlantic Perspectives*, London: Taylor & Francis, 303–317.

46. **Mesev, V.** 1998. The use of census data for urban image classification. *Photogrammetric Engineering and Remote Sensing* 64, 431–438.

47. **Mesev, V.** and Longley, P.A. 1998. Remote sensing and regional density gradients. In S Carver (Ed) *Innovations in GIS 5*, London: Taylor & Francis, 226–237.

48. **Mesev, V.** 1997. Remote sensing of urban systems: hierarchical integration with GIS. *Computers, Environment & Urban Systems* 21, 175–187.

49. Longley, P.A. and **Mesev, V.** 1997. Beyond analogue models: space filling and density measurements of an urban settlement. *Papers in Regional Science* 76, 409–427.

50. Longley, P.A. and **Mesev, V.** 1997. The use of diverse RS-GIS sources to measure and model urban morphology. *Geographical Systems* 4, 5–18.

51. **Mesev, V.**, Batty, J.M. and Longley, P.A. 1996. RS/GIS and the morphology of urban settlements. In P Longley and M Batty (Eds) Spatial *Analysis: Modelling in a GIS Environment*, Cambridge: GeoInformation International, 123–148.

52. **Mesev, V.** 1996. Measurement and modelling of urban remotely-sensed data. *International Archives of Photogrammetry and Remote Sensing*, Vienna, Austria, Vol. XXXV.

53. **Mesev, V.**, Longley, P.A., Batty, J.M. and Xie, Y. 1995. Fractal measurements of a classified image: the case study of Bristol, England. In M Fischer, T Sikos and L Bassa (Eds) *Recent Developments in Spatial Information, Modelling and Processing*, Budapest: Geomarket, 107–122.

54. **Mesev, V.**, Longley, P.A., Batty, J.M. and Xie, Y. 1995. Morphology from imagery: detecting and measuring the density of urban land use. *Environment and Planning A* **27**, 759–780.

55. Maguire, D.J., Hickin, W. and **Mesev, V.** 1991. Waste disposal site selection using raster and vector GIS. *Mapping Awareness* 5, 24–27.

Reports
56. Shirlow, P., **Mesev, V.**, Murtagh, B. and McMullan, A.J. 2003. Measuring and visualizing labour market & community segregation in Belfast. *OFMDFM*, Belfast.

57. **Mesev, V.** 1998. *Measurement and Analysis of Urban Morphology and Land Use Change*. End of Award Report on ESRC Research Fellowship No. H53627501295, 32 pp, ESRC and British Library Document Supply Centre.

58. Maguire, D.J. and **Mesev, V.** 1991. A GIS for waste disposal site selection. Midlands Regional Research Laboratory Series, Working Report 7, 21 pp.

Plus 24 Book Reviews and Conference Reports.

Presentations (total=51)

1. Elsner, J.B., Fricker, T. and **Mesev, V.** 2016. Statistical models for predicting tornado rates: Case studies from Oklahoma and the Mid South USA. *Risk Analysis*, Crete, Greece.

2. Strode, G., Thornton, B., **Mesev, V.**, Morgan, D., Johnson, N., Rau, E. and Yang, X. 2016. Revisiting Trumbo's four principles for bivariate map color selection. *Florida Undergraduate Research Conference*, Tampa.

3. Elsner, J.B., Fricker, T., Widen, H.M., Jagger, T.H. and **Mesev, V.** 2016. Predicting seasonal tornado activity. *American Meteorological Society Annual Meeting*, New Orleans.

4. Strode, G. and **Mesev, V.** 2016. A high-resolution population data model using census data, Florida cadastral data, and the US national grid. *Annual Meeting of the Association of American Geographers*, San Francisco, USA

5. **Mesev, V.** 2015. Challenges to global urban remote sensing: temporal-structural models. *International Geographical Union*, Moscow, Russian Federation.

6. Strode, G. and **Mesev, V.** 2014. Dasymetric methods using cadastral and building footprint data. *Meeting of the Association of American Geographers*, Tampa, USA.

7. Strode, G. and **Mesev, V.** 2013. Cadastral-based expert dasymetric system (CEDS) using census and parcel data. *International Cartographic Conference*, Dresden, Germany.

8. **Mesev, V.** 2012. Mutiscale and multitemporal urban remote sensing, *Congress of the International Society for Photogrammetry and Remote Sensing*. Melbourne, Australia.

9. **Mesev, V.** (Invited panel discussant) on Urban Remote Sensing at the 2012 *Annual Meeting of the Association of American Geographers*, New York, USA.

10. Sim, S. and **Mesev, V.** 2011. Measuring urban sprawl and compactness: Case study Orlando, USA. *International Cartographic Conference*, Paris, France.

11. Scheitlin, K.N., **Mesev, V.** and Elsner, J.B. 2011. Polyline averaging using distance surfaces: A spatial hurricane climatology. *Geocomputation*, London, UK. Member of the program committee.

12. **Mesev, V**. 2010. Scale of analysis: Micro versus macro urban remote sensing. *International Cartographic Association Workshop on Advances in Sensors and Algorithms for Topographic and Thematic Mapping*, Orlando, USA.

13. **Mesev, V.** 2010. Scale of analysis: Micro versus macro urban remote sensing. *GIScience*, Zürich, Switzerland.

14. **Mesev, V.** 2009. Reconciling cartographic representations of urban structure and function from remote sensor models. *International Cartographic Conference*, Santiago, Chile.

15. **Mesev, V.** 2009. Co-organizer, chair and discussant of two sessions on remote sensing and GIS for urban analysis. *Meeting of the Association of American Geographers,* Las Vegas, USA.

16. **Mesev, V.** 2009. Exploring the temporal lag between urban structure and function. *Urban Remote Sensing Conference*, Shanghai, China.

17. **Mesev, V.** 2008. Inferring multi-temporal links between structural and functional urban representations from remote sensor models. *GIScience*, Park City, USA.

18. **Mesev, V.** 2008. Co-organizer, chair and discussant of three sessions on remote sensing and GIS for urban analysis. *Meeting of the Association of American Geographers,* Boston, USA.

19. **Mesev, V.** 2007. Integrative spatial-spectral-temporal remote sensor models of urban configuration and sustainability. *Geocomputation*, Maynooth, Ireland.

20. **Mesev, V.** 2007. Remote sensing and GIS analysis. *Meeting of the Association of American Geographers,* San Francisco, USA. Co-organizer of three sessions, and Discussant.

21. Sims, M. and **Mesev, V.** 2007. Utilization of ancillary data in object-based classification of high spatial resolution satellite imagery. *Urban Remote Sensing Conference*, Paris, France.

22. **Mesev, V.** 2006. Mapping liberation/terrorist deaths in Belfast, Northern Ireland. Invited participation on Geospatial Technologies and Homeland Security, Texas A&M University, USA.

23. **Mesev, V.** 2006. Towards spectral-spatial-temporal urban object identification. *Meeting of the Association of American Geographers,* Chicago, USA. Co-organizer of four sessions.

24. **Mesev, V.** and Gault, I. 2005. Urban morphological metrics: Pinpointing building configuration from imagery. *Meeting of the Association of American Geographers,* Denver, USA. Co-organizer.

25. **Mesev, V.** 2004. Identification and characterization of urban neighborhood features: Fusion of IKONOS imagery and point-based property information. *Meeting of the Association of American Geographers,* Philadelphia, USA. Co-organizer of three sessions.

26. **Mesev, V.** 2003. Neighbourhood reconstruction: Links between IKONOS imagery and precision geo-coded address information. *European Colloquium on Theoretical & Quantitative Geography*, Lucca, Italy.

27. **Mesev, V.** 2003. Urban land use reconstruction: Image pattern recognition from address point information, *Remote Sensing of Urban Areas*, Regensburg, Germany.

28. **Mesev, V.** 2003. Urban morphology reconstruction: linking satellite imagery with address information. *Meeting of the Association of American Geographers,* New Orleans, USA. Chair and discussant.

29. **Mesev, V.** 2002. Bayesian image classification of urban spatial structures, *International Conference on Bayesian Statistics*, Tenerife, Spain.

30. **Mesev, V.** 2001. Fear as the limiting factor in consumer and labour spatial interactions in Belfast, Northern Ireland. *European Colloquium on Theoretical & Quantitative Geography*, St. Valery-en-Caux, France. Chair.

31. **Mesev, V.** 2000. Morphology from ADDRESS-POINTs. *Meeting of the Association of American Geographers,* Pittsburgh, USA.

32. **Mesev, V.** 1999. GIS in local economic development: Examples from the Irish border and an English city, Invited speaker. *4th International Seminar on Geographic Information Systems in Local Government*, Seoul, Korea. Panelist.

33. **Mesev, V.** 1998. Spatial analysis of urban remote sensing. *Meeting of the Association of American Geographers,* Boston, USA.

34. **Mesev, V.** 1998. Fractal analysis of urban density gradients. *Geocomputation,* Bristol, UK.

35. **Mesev, V.** 1998. Regional density gradients from spatial remote sensing. *ASPRS/RTI Annual Conference,* Tampa, USA.

36. **Mesev, V.** and Longley, P.A. 1997. Urban regional density gradients. *European Colloquium on Theoretical & Quantitative Geography*, Rostock, Germany.

37. Longley, P.A. and **Mesev, V.** 1997. Remote sensing and regional density gradients. *GIS Research UK,* Leeds, UK.

38. **Mesev, V.** 1997. Categorization of settlements. *Meeting of the Association of American Geographers,* Fort Worth, USA.

39. Longley, P.A. and **Mesev, V.** 1996. Analogue models, space filling and urban density. *Congress of European Regional Science Association*, Zürich, Switzerland.

40. **Mesev, V.** 1996. Modelling classified urban images: spatial and temporal comparisons of four settlements in the UK. *GIS Research UK,* Canterbury, UK.
41. **Mesev, V.** 1996. From measurement to analysis: A GIS/RS approach to urban density changes. *2nd ESF-GISDATA & NSF-NCGIA Summer Institute Geographic Information*, Berlin, Germany.
42. Longley, P.A. and **Mesev, V.** 1995. Fractal measurements of classified images, *European Colloquium on Theoretical and Quantitative Geography,* Spa, Belgium.
43. Longley, P.A. and **Mesev, V.** 1995. The use of diverse RS-GIS sources to measure and model urban morphology, *GISDATA: Remote Sensing and Urban Analysis,* Strasbourg, France.
44. **Mesev, V.** 1995. Monitoring the fractal dimensions of urban areas from classified imagery. *Meeting of the Association of American Geographers,* Chicago, USA.
45. Longley, P.A. and **Mesev, V.** 1995. Fractal measurement of urban morphology using diverse datasets. *Congress of European Regional Science Association,* Odense, Denmark.
46. **Mesev, V.** and Longley, P.A. 1994. GIS/RS in urban modelling. *Conference on Spatial Modelling and GIS*, Bristol, UK.
47. **Mesev, V.** 1994. The role of image classification in urban density models. *Meeting of the Association of American Geographers,* San Francisco, USA.
48. Longley, P.A. and **Mesev, V.** 1994. The scale perspective and land use classification. *Conference on Geographic Information* and *Land Use Analysis,* Birkbeck, London, UK.
49. **Mesev, V.** 1993. Adjustable *a priori* and *a posterior* probabilities in urban image classification. Invitation from *The National Center for Geographic Information and Analysis (NCGIA)* SUNY, Buffalo, USA.
50. **Mesev, V.** 1993. Population prior probabilities in urban image classification. *Meeting of the Association of American Geographers,* Atlanta, USA.
51. **Mesev, V.** Longley, P.A. and Batty, J.M. 1993. Fractal measurements of a classified image: The case study of Bristol, England. *European Colloquium on Theoretical & Quantitative Geography,* Budapest, Hungary.

Grants and Awards (total=$1,402,998)

1. **Mesev, V.** 2016-2017. Participating Agreement between US Forest Service and FSU, *USDA Forest Service*, PI $38,232.
2. **Mesev, V.** 2015. Faculty travel grant to attend the *International Geographical Union Regional Conference*, Moscow, Russian Federation. *FSU Office of the Provost*, PI $1,500.
3. **Mesev, V.** 2012–2014. Agreement between FSU Geography Department and FSU Center for Academic & Professional Development. Host the Seven Hills Regional User Group for GIS (SHRUG), Nov 9–10, *Florida State University* PI $30,000.
4. **Mesev, V.** 2012. Faculty travel grant to attend the Congress ISPRS in Melbourne, Australia. *FSU Office of the Provost*, PI $1,500.
5. **Mesev, V.** 2011-2016. Assist the Southeast Archeological Center Cultural Resources GIS Program, *US National Park Service*, PI $61,838.
6. **Mesev, V.** 2010. Tallahassee at super high resolution. *FSU Primary Source Materials & Collection Development Grants* PI $3,678.
7. **Mesev, V.** 2009-2014. Participating Agreement between US Forest Service and FSU, *USDA Forest Service*, PI $48,550.
8. Rashed, T., **Mesev, V.**, Yuan, M. and Powell, R. 2006-2007. Summer workshops, *Spatial Perspectives on Analysis for Curriculum Enhancement* (SPACE) *National Science Foundation* Co-PI $35,000.
9. **Mesev, V.** 2005. Urban mapping: Calibration of neighborhood metrics with remote sensing, *FSU Committee on Faculty Research Support* (COFRS) PI $8,000.

10. Shirlow, P. and **Mesev, V**. 2005. Stone-throwing: A spatial and socio-economic profile of young offenders, *Police Service of Northern Ireland* (PSNI) Co-PI $4,000.
11. **Mesev, V.** 2004. Attendance at AAG, Philadelphia, *British Academy Overseas Conference Grant* (OCG 849) PI $1,000.
12. Shirlow, P., **Mesev, V.** and Graham, B. 2000-2002. City at work: A long term spatial planning version for restructuring deprived urban areas, *European Union* (Interreg IIc) Co-PI $900,000.
13. Shirlow, P., **Mesev, V.** and Murtagh, B. 2000-2002. Spaces of fear: Measuring and modeling 'chill factors' in Belfast, *Office of First Minister & Deputy First Minister* (Community Relations Unit) Co-PI $80,000.
14. Shirlow, P., **Mesev, V.**, Steele, P. and Morrissey, M. 2001. Mapping health care in Belfast, *North & West Belfast Health & Social Services Trust* (Northern Ireland) $36,000.
15. **Mesev, V.** 1997. Attendance at AAG, Fort Worth, *British Academy Overseas Conference Grant* (OCG 978) PI $1,000.
16. **Mesev, V.** 1997. British Royal Geographical Society with Institute of British Geographers 1997, PI $600.
17. **Mesev, V.** 1996. Attendance at Berlin Workshop for Early Career Geographers, *ESF-GISDATA and NSF-NCGIA Summer Institute Fellowship* PI $1,200.
18. **Mesev, V.** 1996. British Royal Geographical Society with Institute of British Geographers, PI $320.
19. **Mesev, V.** 1995-1997. Measuring and modeling urban morphology, *British Leverhulme Trust Fellowship* PI $60,000. [Offer Declined]
20. **Mesev, V.** 1995-1998. Measurement and analysis of urban morphology and land use change, *British Economic & Social Research Council Fellowship* (H53627501295) PI $90,000.
21. **Mesev, V.** 1995. Student of the Year, *British Association for Geographical Information* $180.
22. Maguire, D.J. and **Mesev, V.** 1989. A GIS for waste disposal site selection, *Wimpey Waste Management* (MRRL Working Paper 7) Co-PI $4,000.

Graduate Student Supervision (total=52)

Current Doctoral Students

    Shoumik Rahman (main professor)
    Xinyu Gao (main professor)
    Georgianna Strode (main Professor)
    AmirSasan (committee member)

Completed Doctoral Students (as main professor)

1. Julie Mura, 2016. Geographical conflict in Bolivia: Mobilization of identity by the Comité pro Santa Cruz.
2. MinJo Kang, 2014. *Measuring urban imperviousness and modeling stormwater quality: Subtropical comparisons between an arid and a humid city*. (Assistant Professor in Geography, Korean Research Institute for Human Settlement (KRIHS), Seoul, Korea).
3. Caitie Finlayson. 2012. *Spaces of faith: an affective geographical examination of houses of worship*. (Assistant Professor in Geography, University of Mary Washington).
4. Brad Huff. 2012. *The cultural landscape analysis of the domain-centered place-based community of Ave Maria, Florida*. (Assistant Professor in Geography, Columbus State University).
5. Sunhui Sim. 2010. A *geospatial approach to measuring and modeling the impact of urban growth on ecosystems: Orlando case study*. FSU. (Associate Professor in Geography, University of North Alabama).
6. Ivan Gault. 2007. *Fractal pattern recognition system for second-order high spatial resolution image data*. University of Ulster. (Software specialist, Northern Ireland).

Completed Doctoral Students (as co-main professor)

7. Peter Wood, 2016. Urban development and political participation in Foz Do Iguaçu, Brazil.

Completed Doctoral Students (as committee member)

8. Kathryn Ziewitz, 2016. *New Urbanism on the ground: Using regional geographic context to evaluate sustainability outcomes for six central Florida New Urbanist communities*.

9. Di Shi, 2016. *Integrating remote sensing with geospatial analysis to map and interpret vegetation patterns in an urban environment*.

10. Nicholas Quinton. 2014. *Conservative social movement activism: tea party activism and scalar politics in campaigning for public office*. Adjunct in Geography, FSU.

11. Ting Liu. 2014. *Integrating geographic information technologies for land change analysis and modeling in an urban area*. Assistant Professor in Geography, Northern Illinois University.

12. Robert Hodges. 2013. *Understanding and predicting the regional Sun-hurricane connection*.

13. Jill Trepanier. 2012. *Quantifying extreme hurricane risk in the North Atlantic and Gulf of Mexico*. Assistant Professor in Geography, Louisiana State University.

14. Charles Layman. 2012. *Modeling and evaluating changes to the urban structure*.

15. Heather Gamper. 2012. *Effects of scale insects on forest dynamics in fragmented tropical montane oak forests of Veracruz, Mexico*.

16. Andreas Beger. 2012. *Predicting the intensity and location of violence in war*. Department of Political Science (University representative)

17. Libin Zhou 2012. *Integrating artificial neural networks, image analysis and GIS for urban spatial growth characterization*. FSU.

18. John Sulik. 2011. *Sub-national analysis of Darfur: examining the role of landscape on conflict incidence*. FSU. Research Scientist, US Department of Agriculture, Pendleton, OR.

19. Kelly Watson. 2010. *Tupelo forests and honey production along the Apalachicola River of northwest Florida: livelihood preservation and forest conservation in a changing rural landscape*. Assistant Professor in Geography, East Kentucky University.

20. Kelsey Scheitlin. 2010. *Construction and application of a spatial hurricane climatology*. Assistant Professor in Geography, University of Tennessee.

21. Tao Zhang. 2009. *Impacts of landscape characteristics on water quality: roles of empirical and process-based modeling*. Post-doctoral research assistant, Michigan State University.

22. XiaoHang Liu. 2003. *Estimation of the spatial distribution of urban population using high spatial resolution satellite imagery*. (University of California at Santa Barbara external committee member) Associate Professor in Geography, San Francisco State University.

23. Christopher Doll. 2003. *Assessment of DMSP OLS data for measuring nighttime lights*. University College London external committee member. (JSPS Postdoctoral Fellow, United Nations University, Tokyo).

Current Masters Students

    None

Completed Masters Students (as main professor)

24. Aaron Binns. 2010. (non-thesis)

25. Sharla Lair. 2008. (non-thesis)

Completed Masters Students (as committee member)

26. Tyler Fricker. 2015. *Kinetic energy of tornadoes in the United State (2007-2013)*.

27. Loury Migliorelli. 2014. *Effects of fragmentation, climate, and substrate age on endangerment, changing species composition, and associated reproductive traits in Hawaiian dry forest species*.

28. Ona Strikas. 2012. *An investigation towards spatially modeling the mechanisms for spatial differentiation of cloud-to-ground lightning in the Atlanta, Georgia region.*
29. Paul Maliszewski. 2008. *Modeling critical vaccine supply location: protecting critical infrastructure and population in central Florida.* Doctoral student at Arizona State University.

<u>Completed Masters Students (as main professor, University of Ulster)</u>
30. John Bevington. 2004. *Spatial metrics of land cover distributions from IKONOS.*
31. Claire Stevens. 2004. *Spatial analysis of conflict-related death distributions in Belfast.*
32. Michael Graham. 2004. *Analysis of sectarian-constrained employee distributions.*
33. Andrew Holdsworth. 2004. *Classification, NDVI, Tasseled Cap for arid wetland delineation.*
34. Laura McGurrin. 2004. *Dasymetric population estimation from IKONOS.*
35. Benon Mutungi. 2003. *GIS implementation for environmental management in Uganda.*
36. Shelagh Herrity. 2003. *Using remote sensing to interpret drumlin patterns in NW Ireland.*
37. Paul McKenzie. 2003. *Neighborhood pattern recognition using IKONOS and COMPAS.*
38. Kefelagn Cherent. 2003. *Change detection analysis of the north coast.*
39. Adrian O'Reilly. 2003. *Modeling sea level rises and storm surges around Strangford Lough.*
40. Natasha Eames. 2003. *GIS based explanation of conflict-related deaths in Belfast.*
41. Ivana Barisin. 2003. *Water quality assessment using Landsat TM imagery.*
42. Gareth Young. 2002. *GIS and coastal change at Rossnowlagh, Donegal.*
43. Richard McMullan. 2002. *Post-classification land cover change detection.*
44. Ivan Gault. 2002. *Measuring urban morphologies using fractal geometry.*
45. Gerard Wilson. 2002. *Estimating population and GDP from DMSP-OLS in Africa and Europe.*
46. Julie Hannaway. 2002. *Image change detection: peat land farming in Sperrins.*
47. Lindsay Holmes. 2001. *GIS for salmon habitat management in River Roe catchment.*
48. Elaine Burnside. 2001. *Estimating population of Ireland using DMSP-OLS nighttime data.*
49. Marielle Colhoun. 2001. *Multi-criteria evaluation of storm impact on electricity network.*
50. Peter Hanratty. 2001. *Estimating population growth using remote sensing and GIS.*
51. Rosita McFadden. 2001. *Optimum site selection of wind farms in Donegal: GIS approach.*
52. Verity McMahon. 2000. *Use of GIS to map socio-economic black spots in Belfast.*
53. Ciaran Higgins. 2000. *Spatial analysis of a social problem: JSA in Belfast.*

Professional Memberships & Services

Advisory Committee *4th International Wuhan-EMU Joint Conference in Geo-informatics in Sustainable Ecosystem & Society* (GSES-2016)
External Reviewer for Department of Geosciences, University of South Florida (2015)
Editorial Review Board *Advancing Geographic Information Science: The Past & Next Twenty Years* (2015)
Local Arrangement Committee *Annual Meeting of the Association of American Geographers* Tampa (2014)
Program Committee *Geocomputation* (2011)
Peer Review Referee, US Environmental Protection Agency (2009–2010)
Peer Review Referee, SRON Netherlands Institute for Space Research (2006–2008)
Peer Review Referee, US National Science Foundation (2006–present)
Scientific Committee *Remote Sensing of Urban Areas* (2005)
EARSeL SIG *Urban Remote Sensing* (2003–present)
Organizing Committee *Conference of Irish Geographers* (2002)
Peer Review Referee, UK Economic Social Research Council (1999–2004)
GIS Graduate Committee, University of Ulster, Coleraine, UK (1999–2004)

European Union (Tempus II) Curriculum Development of GIS in Poland (1999–2000)
Editorial Board *Computers, Environment & Urban Systems* (1997–2008)
ISPRS Intercommission Working Group IV/III.2 (1996–present)
Member *American Society for Photogrammetry and Remote Sensing* (1991–present)
Member *Association of American Geographers* (1990–present)

External Academic Referee for **12** applications for promotion and tenure to associate professor

External Academic Referee for **9** applications for promotion to full professor.

Peer Review Referee of **255** articles in the following journals, *Applied Geography; Annals of the Association of American Geographers; Cities; Computers and Geosciences; Computers, Environment and Urban Systems; Environment and Planning A; Environment and Planning B; Geoforum; Geographical Analysis; Information Fusion; International Journal of Geographical Information Science; International Journal of Digital Earth; International Journal of Remote Sensing; International Regional Science Review; Journal of Geography; Journal of Selected Topics in Applied Earth Observations and Remote Sensing; Landscape and Urban Planning; Landscape Ecology; Landscape Research; Photogrammetric Engineering & Remote Sensing; Political Geography, Professional Geographer; Remote Sensing of Environment; Social Geography; Southeastern Geographer; Urban Geography.*

Peer Review Referee for **12** books, including: *A Primer of GIS: Fundamental Geographic & Cartographic Concepts* (Francis Harvey); *Environment* (Peter Raven, et al); *Principles of Geographic Information Systems (John Jensen and Ryan Jensen*); *Fundamentals of Physical Geography (Petersen); Essentials of Geographic Information Systems (*Michael Shin and Jonathan Campbell); *Introduction to Remote Sensing* (*James Campbell); Digital Analysis of Remotely Sensed Imagery (Jay Gao).*