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- Siska, P.P. (2011).** *Journey to Vietnam.* *West Point Magazine*, West Point, New York. Volume 1, Issue 1, Winter 2011, pp. 22-26.
- Siska, P. P. and V. Lauko (2010).** Strategic Missile Deployment: A Geographic Perspective. *Applied Geography*. Elsevier Science. (In Press).
- Siska, P. P. (2009).** The Deployment of Ground Based Mid-Course Missiles in Central Europe: Regional Perception and Viability. *Papers of the Applied Geography Conferences*. Vol. 32, pgs. 105-114.
- Kemmerly, P.R. and Peter P. Siska (2008).** Karst Modeling and Hazard Assessment on the Pennyroyal Plain and Western Highland Rim. *Journal of Geography (Geografický Časopis)*. 60(3), pgs. 217-240.
- Siska, P. P. and P. R. Kemmerly (2008).** Doline Feature Database (DFD) Development and Assessment of Hazards Using Co-Regionalization Model. In: *Papers of the Applied Geography Conferences*. Vol. 31, pgs. 34-42.
- Siska, P. P., I-Kuai Hung and V. M. Bryant (2006).** Correlation Between Pollen Dispersion and Forest Spatial Distribution Patterns in the Southeastern United States. In: Prisley, S., Bettinger, P., Hung, I-Kuai, and J. Kushla eds. *Proceedings of the 5th Southern Forestry and Natural Resources GIS Conference*, Asheville, North Carolina. Pgs. 159 – 171. Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA.
- Siska, P.P. Bryant, V.M. and I-Kuai Hung (2006).** Determining Spatial Correlation in Distribution of Southern Pine Biome and Dispersion of Pine Pollen Using Geographic Information Science. *Journal of Geography (Geografický Casopis)*. 58 (4), pgs. 239 – 258.
- Siska, P. P. Goovaerts, P., Hung, I-Kuai, and V. M. Bryant (2005).** Predicting the Ordinary Kriging Errors Caused by Surface Roughness and Dissectivity. *Earth Surface Processes and Landforms*. 30(6), pgs. 601 – 612.
- Siska, P. P. and V. M. Bryant Jr. (2005)** Digital Ecosystem Analysis. *Papers of the Applied Geography Conferences*. Vol. 28. pgs.32-139.
- Siska, P. P. (2004)** A Multivariate Spatial Model for Determining Urban Development Sites in Flood Prone Coastal Areas. *Papers of the Applied Geography Conferences*. Vol. 27, pgs. 75 - 83.
- Erikson, M. and P.P Siska (2003).** Replay to Marcotte’s Comments on Understanding Anisotropy Computations. *Journal of Mathematical Geology*. 35(5) 683 – 700.

- Siska, P.P. and I - Kuai Hung (2004).** Advanced Digital Terrain Modeling and Analysis. ESRI User's Conference in San Diego. *Proceedings of ESRI Conference*. San Diego, California.
- Bhowmick, A. Siska, P.P., and R. Nelson (2003)** Developing "COM" links for Implementing Lidar Data in Geographic Information Systems (GIS) to Support Forest Inventory and Analysis. Second International Precision Forestry Symposium, Seattle University of Washington.
- Siska, P. P. Nelson, R. and A. Bhowmick (2003)** Lidar Data in Geographic Information Systems: Component Object Modeling (COM) Approach. *Papers of Applied Geography Conferences*. Vol. 26. pgs. 242-248.
- Siska, P. P. and I - Kuai Hung (2001).** Assesment of Kriging Accuracy in GIS Environment. Proceedings of ESRI Conference. CD Publication, San Diego, CA.
- Siska, P. P. and I - Kuai Hung (2001).** Geospatial Analysis of NDVI and Reflectance Values in Angelina Forest Ecosystem. Proceedings of 3rd International Conference on Geospatial Analysis in Agriculture and Forestry Publication. Denver, Colorado.
- Siska, P. P. Bryant, M. V. and J. Jones (2001).** Spatial Modeling of Modern Pollen Rain in Big Bend National Park. *Palynology: Journal of American Society of Stratigraphic Palynologists*. 25(2001) pgs. 199-216.
- Siska, J. J. Hurburgh, C. R. and P. P. Siska (2001).** The Impact of Instrument Engineering Parameters on Spectral Reproducibility Across Filter Instruments. *Journal of Near Infrared Spectroscopy* 9, pgs. 97-105.
- Siska, P. P. 2001.** Excerpts from "From the Barbaric Night" The Autobiography of Jan Chryzostom Korec. *KOSMAS Journal*, 14(1), pgs. 120 – 133.
- Siska, P. P., and I – Kuai Hung, (2001)** Progression of Errors in Applied Spatial Analysis. *Papers and Proceedings of Applied Geography Conferences*. Vol. 24. pgs. 284-290.
- Eriksson, M., and P. P. Siska (2000).** Understanding Anisotropy Computations. *Journal of Mathematical Geology*. 32(6), pgs. 683-700.
- Siska, P. P., Hung, I. K., Riggs (2000).** Quality of Spatial Data in Applied GIS Analysis. *Papers and Proceedings of Applied Geography Conferences*. Vol. 23. pgs. 37-45.
- Siska, P. and D. M. Holzer (1999).** Prediction of Potential Flood Hazards Using GIS and Spatial Analysis. *Papers and Proceedings of Applied Geography Conferences*. Vol. 22. pgs. 135-141.
- Siska, P. P. Siska, J. and R. C. Maggio (1998).** The Significance of Spatial Modeling for Nitrogen Concentrations in Southern Pines using Near infrared Reflectance, GIS and Geostatistics. *Geographical and Environmental Modeling*. 2(2), pgs. 175-183.

- Siska, P. P., Eriksson M. and R. C. Maggio (1997).** Ordinary Kriging and the Construction of a Digital Elevation Model. *Journal of Geography (Geograficky Casopis)*,49(2), pgs. 91 - 113.
- Siska, P.P. and R. C. Maggio. (1997)** The Role of Relief Dissectivity in Distribution of Kriging Errors from Digital Elevation Modeling. *Papers and Proceedings in Applied Geography Conferences*. Vol. 20. Pgs. 186-194.
- Siska, P. P., Maggio, R., and N. Castiaux (1996).** Determining Spatial Anisotropy Using Geographic Information System. *Journal of Geography, Slovak Academy of Sciences* 48(1), pgs. 63-71.
- Siska, P. Bryant, V. M. Jr., and R. C. Maggio (1997).** Palynology, GIS and Geostatistics Interactions: Searching for New Avenues in GIS Applications. *Proceedings of GIS/LIS Conference*. Cincinnati, Ohio.
- Maggio, R. C., Meyer, T. H. and P. P. Siska (1997).** Spatial Education Using Relational Databases. *Proceedings of GIS/LIS Conference Cincinnati, Ohio*.
- Siska, P., Maggio, R. and Eriksson M. (1994).** The Bounded Kriging Based Estimates for Sensitive Spatial Analysis. *Proceedings GIS/LIS Conference, Phoenix, Arizona* pgs. 697-704.
- Siska, P. 1993.** Geomorphic Parameters of the River Basin. *Physical Geography Lab Manual*. Department of Geography, Texas A&M University, College Station.
- Siska, P. 1988.** The Visit in the Land of Enchantment. *Lide a Zeme (Geographic and Popular Scientific Journal)*, Academia, Prague Vol. 5. pgs. 277 – 282.
- Siska, P. 1987.** Big Bend National Park. *Lide a Země, Academia Prague* Vol. 2, pgs. 12- 17.
- Siska, P. (1983).** Contribution to the Understanding of Bánovce Soil Cover. *Acta Geographica Universitatis Comenianae*. Vol. 22: pgs. 306-311.

Books and book chapters.

- Siska, P.P. and G. R. Costa (2009).** The Reductionist Approach to Culture and Model Development for the Comparative Studies of Culture. Department of Foreign Languages Publication, West Point, New York. .
- Siska, P.P. (2006).** Satellite Based Mapping, Navigation and Communication Systems: Global Security Concerns. In: Forest J.F. editor: *Homeland Security, Protecting America's Targets*. Vol. 3. Pgs. 354 – 371. Publisher: Praeger Security International, Westport, Connecticut, London.
- Siska, P. P. (2003) The Night of the Barbarians.** Published by Bolchazy- Carducci Inc. Publishers, Wauconda, IL in 2003. Translation from Slovak original (Jan Korec)

Internal publications:

- Siska, P.P. (2009).** General Regional Assessment Network Test. United States Military Academy, West Point.
- Siska, P. P. (2008).** Strategic Stability of Central and Eastern Europe in lieu of Theatre Missile Defense Deployment. Institute of National Security, Air Force, Colorado.
- Siska, P. P. (2008) .** Regional Expertise – the Key to Understanding Culture and Language. Center for Language, Culture and Regional Studies. Department of Foreign Languages. USMA, West Point, NY.
- Siska, P. (1996).** Geostatistical methods for construction of Digital Elevation Models (DEMs) from Provisional Topographic Maps. GIS Frontiers in Business and Science. International Conference. Proceedings II, Brno, Czech Republic.
- Siska, P. (1996).** Geostructural Analysis of Strike-Slip Faults in Owl Creek-Bridger Mountains in Wyoming Based on Landsat-TM Data. GIS Frontiers in Business and Science. International Conference. Proceedings II, Brno, Czech Republic.
- Siska, P. (1985).** Soil Cover and Soil Regions in Zobor Natural Preservation. Institute for Tribec Mountains Nature Preservation. Nitra, Slovakia.

Scholarly Presentations

- Siska, P.P. Bryant, V. M., Goovaerts, P. and I-K. Hung (2010).** Spatial Analysis of Pollen Data and its Potential for Forensic Analysis. Joint Meeting of American Association of Stratigraphic Palynologists (AASP), Geological Association of Canada Paleontology Division (GAC) and Canadian Association of Palynologists (CAP), Dartmouth, Nova Scotia, Canada.
- Siska, P.P, Bryant, V.M., Hung, I-K. and P. Goovaerts (2010).** Pollen Spatial Distribution Patterns in Northwest Region: Potential for Forensic Studies. American Association of Geographers Conference, Washington, D.C. April 2010.
- Siska, P.P. (2010).** New Avenues in Regional Geography. Association of American Geographers, Middle States Division Annual Conference. West Point, New York.
- Siska, P.P. Goovaerts, P. and P. R. Kemmerly. (2009).** Predicting Karst Hazards Using Indicator Geostatistics. Association of American Geographers (AAG). Las Vegas, Nevada.
- Siska, P.P. (2009).** Czech and Polish Differences in Perception of Missile Deployment. Applied Geography Conferences. Baton Rouge, Louisiana.

- Siska, P.P. (2009).** Matching Pollen Distribution Patterns and Vegetation. Association of American Geographers, Middle States Division Annual Conference. New Paltz, New York.
- Siska, P.P. and P. R. Kemmerly (2008).** Environmental Hazards Assessment in Doline Karst Areas. Annual Meeting of Association of American Geographers, Boston, Massachusetts.
- Siska, P.P and P.R. Kemmerly(2008).** Development of GIS database for Dolines and Mapping of Sinkhole Hazards. Applied Geography Conferences, Wilmington, Delaware.
- Siska, P.P (2008).** Modern Methods of Spatial Analysis for Geography: “Kriging and Sequential Gaussian Simulation.” Middle States Division of the AAG, Annual Meeting, Millersville University, Pennsylvania.
- Siska, P.P. and P. R. Kemmerly. (2008).** Environmental Hazards Assessment in Doline Karst Areas. Association of American Geographers (AAG). Boston, Massachusetts.
- Siska, P. P. (2008).** Cross Cultural and Regional Competence in the Military. A New Avenue in Applied Geography. Applied Geography Conferences. Wilmington, Delaware. Panel Organizer and Panelist.
- Kemmerly, P. P. and Peter P. Siska. (2008).** Quantitative Modeling of Karst Terranes: Insights, Progress and Problems. 42nd Annual Meeting Geological Society of America South-Central Session. Richmond, Virginia.
- Siska, P. P. and P. R. Kemmerly. (2007).** Assessment of Accuracy in Sinkhole Mapping Using Geospatial Technology. Tennessee Geographic Information Council. Chattanooga Convention Center. Chattanooga, Tennessee.
- Siska, P. P. and V.M. Bryant (2007)** Microregional and Demographic Changes in Central Europe. Does Capitalism Still Work? Applied Geography Conferences, Indianapolis, Indiana.
- Kemmerly, P. R. and P. P. Siska. (2006).** Modeling Doline Geometry and Assessing Karst Geohazards Using GIS. Geological Society of America (GSA) Conference, Philadelphia.
- Siska, P. P. and P. R. Kemmerly (2006).** Sinkhole Mapping and Analysis in Mid Tennessee Region. Tennessee Geographic Information Council, Franklin, Tennessee.
- Siska, P.P and I-Kuai Hung (2006).** Correlations Between Pollen and Forests Distribution Patterns in the Southeastern Region of the US. Asheville, North Carolina.
- Siska, P. P. and P. R. Kemmerly. (2006).** Procedures for Estimating Doline Volume and GIS Mapping of the Mid-Tennessee Karst. *East Tennessee Regional Geographic Information Council Conference, University of Tennessee, Knoxville, Tennessee.*

- Siska, P. P. (2005).** Estimating Total Stem Tree-Volume Using GIS and Remote Sensing
Tennessee Geographic Information Council, Franklin Tennessee.
- Siska, P. P. and P. Goovaerts (2005).** Fusion of Remote Sensing and Ground Data via
Sequential Gaussian Simulation to Evaluate Forest Resource Parameters. American
Society for Photogrammetric Engineering and Remote Sensing. Baltimore, Maryland.
- Siska, P. P. (2005).** Developing and Programming Terrain Parameters in Arc Macro
Language. Applied Geography Conferences, Washington D.C.
- Siska, P. P. (2004).** Predicting Flood Prone Areas Using HEC Model and Geographic
Information Systems. Applied Geography Conferences Saint Louis, Missouri.
- Siska, P. P. and A. Bhowmick. (2003).** Developing New Functions for Arc GIS: Component
Object Modeling Approach. Applied Geography Conferences, Colorado Springs,
Colorado.
- Siska, P. P. and A. Bhowmick. (2002).** Estimating Biometric Parameters Using Profiling
Laser Data. South Western Association of American Geographers (SWAAG)
Conference, Laredo, Texas.
- Siska, P. P. and I – Kuai Hung, (2001).** Variogram Modeling of Remote Sensing Data
3rd International Conference on Geospatial Analysis in Agriculture and Forestry,
Denver, Colorado.
- Siska, P. P. Legg, M. and I. Kuai Hung (2001).** Mapping Angelina Forest Ecosystem for
Recreation Purposes. SWAGG Conference, Fort Worth Texas.
- McDonnel, D. and Siska, P. (2000).** The Significance of Internet 2 for University Education.
SWAGG Conference, College Station, Texas.
- Siska, P. P. Bryant, V. M, Jr., and R. C. Maggio (1998).** Spatial Modeling of the Modern
Pollen Rain in the Big Bend National Park Region of West Texas. Abstracts of
Annual AASP Meeting, October 27-31, 1998 – Ensenada, Baja California, Mexico.
- Siska, P. (1997).** Soil Catena on Danubean Lowland. Geography Conference in Honor of
Professor Michal Luknis, Zlate Moravce, Slovakia.
- Siska, P. (1996).** Ordinary Kriging and Construction of Digital Elevation Model.
International GIS Conference. Brno, The Czech Republic.
- Siska, P.P. (1996).** Using Remote Sensing for Detection of Strike-Slip Faults. International
GIS Conference. Brno, The Czech Republic.
- Siska, P.P. Maggio, R. C. and M. Eriksson. (1994).** Maximizing the Ordinary Kriging
Values. GIS/LIS Conference in Phoenix, Arizona.

- Siska, P. P. (1993)** Arsenic Pollution of Bryan Lakes. Ocean Drilling Program Conference. Texas A&M University, College Station, Texas.
- Siska, P. P. (1992).** Slovakia at the turn of 21st century. Southwestern Association of American Geographers (SWAGG), Austin, Texas.
- Siska, P. P. (1992).** The Region and Methods of Regionalization. Southwestern Association of American Geographers.(SWAGG). Austin, Texas.
- Siska, P. P. (1991).** Statistical Analysis of Arsenic Pollution in the Three Lakes in Bryan, Texas. Ocean Drilling Symposium, Ocean Drilling Program in College Station, Texas.
- Siska, P. P. (1985).** Regional Geography of Czechoslovakia; The Physical and Socio-Economic Geography. SWAGG Annual Conference, Texas - Tech University, Lubbock, Texas.

1.2 Invited Presentations

- Siska, P. P. (2010).** Application of Kriging Techniques in Mapping Natural Resources and Environmental Hazards. Developmental Seminar. Department of Environmental. Geographic & Geologic Sciences, Lehman College, CUNY, New York.
- Siska, P.P. (2009).** Assessing Regional Knowledge. Developing Intercultural Adaptability in the Warfighter. Human Social Culture Behavior Modeling. Orlando, Florida
- Siska, P.P. (2009).** Geostatistics for Geosciences and Natural Resource Management Studies: Regional Expertise. Department of Geosciences, Murray State University, Kentucky.
- Siska, P.P. (2009).** Geopolitical Sensitivity to the Deployment of Ground Based Mid-Course Defense (GMD) System and Regional Stability in Central Europe. Defense Intelligence Agency, Washington, D.C.
- Siska, P.P. (2008).** Dichotomy in Central European Regions and its Role in the Strategic Balance Between East and West. Defense Intelligence Agency, Washington D.C.
- Siska, P.P. (2008).** Understanding Karst Geomorphology and its Role in Fighting Terrorism in Afghanistan. Defense Intelligence Agency, Washington D.C.
- Siska, P.P. (2004).** Construction of Dimensional Elevation Models for Education Purposes. Environmental Science Conference, Jefferson, TX
- Siska, P. P. (2003).** Modeling Spatial Continuity in Environmental Research Initiatives. Houston Advanced Research Center, Woodlands, Texas.
- Siska, P.P. (1999).** Spatial Distribution of Major Pollen Species in Big Bend National Park.

College of Forestry, Nacogdoches, Texas.

Siska, P.P. (1998). Applications of Ordinary Kriging Methods to Digital Elevation Modeling and Palynology. Louisiana Tech University, Ruston, Louisiana.

Siska, P. (1996). Contribution of American Education System to Freedom and Democracy. Institute of Methodology and Education, Nitra, Slovakia.

Siska, P. P. (1993). Slovakia, the Heart of Europe. The Slavic Student Association, Texas A&M University in College Station, Texas, Texas.

Siska, P.P. (1990). The School System and Education in Czechoslovakia. Bryan Independent School District. Bryan, Texas.

Siska, P. (1987). The Regional Geography of the United States of America. Slovak Academy of Sciences, Bratislava, Slovakia.

Siska, P. (1984). Eastern Europe; A historical overview and contemporary political and cultural scene. The Slavic Club, Department of Germanic and Slavic Languages, Texas Tech University, Lubbock. Texas.

1.2.1 Outreach

Siska, P.P. (2009). Spatial Analysis Techniques for Environmental Data. Faculty Developmental Seminar, Environmental Science and Engineering Program, United States Military Academy, West Point, New York.

Siska, P.P. (2009). Regional Knowledge and Assessment. 5th Annual Samuel G. Saldívar and Sheila R. Ackerlind Mentorship Colloquium. Department of Foreign Languages, United States Military Academy, West Point, New York.

Siska, P.P. (2006) . Agriculture in Slovakian Village and New Developments in Eastern Europe. Farm Bureau Women's Club, Clarksville, Tennessee.

Siska, P. P. (2005). Downfall of Iron Curtain and New Avenues and Challenges in Market Oriented Society in Slovakia. American War Veterans Summer Meeting. Clarksville, Tennessee.

Siska, P. P. (2004). Rapid Changes in the Central European Region and their Impact on the World Economics. Rotary Club, Clarksville, Tennessee.

Siska, P.P. (2003). Developing GIS Database for Forest Historical Data in East Texas. Temple Inland Co. Lufkin and Stephen F. Austin University, Nacogdoches, Texas.

Siska, P. P. (1996). Construction of Digital Elevation Models (DEMs) using Kriging Interpolation on Point Sampled Data. Department of Forest Science, Texas A&M University, College Station, Texas.

Siska, P. P. (1995). The Use of Geostatistics in GIS Spatial Analysis. Department of Forest Science, Texas A&M University, College Station, Texas.

Siska, P. P. (1994). The Spatial Analysis and Synthesis in Pre-GIS Mapping Epoch. Departmental Seminar, Department of Forest Science, Texas A&M University, College Station. Texas.

Siska, P. P. (1993). The Soil Catena in Danubean Lowland, Quantitative Soil Parameters: The Problems of Ecotopic Taxonomy. Department of Geography, Texas A&M University, College Station. Texas.

Siska, P. P. (1991). The Regional Geography of Bánovec Basin and the Adjacent Carpathian Mountains. Departmental Seminar, Department of Geography Texas A&M, University, College Station.