

## About the Contributors

**Donald Patrick Albert** is a Professor in the Department of Geography and Geology at Sam Houston State University (Huntsville, Texas, USA). He earned geography degrees from Salem State College (BS), Appalachian State University (MA), and the University of North Carolina at Chapel Hill (PhD). Dr. Albert specializes in medical geography, geographic education, and the geography of crime. His articles have appeared in such journals as *Applied Geography*, *Complementary Health Practice Review*, *Journal of Geography*, *Papers of the Applied Geography Conferences*, *The Geography Teacher*, *World Health Forum*, *The Police Chief*, *The Pennsylvania Geographer* and others. Dr. Albert has contributed as author, co-author, or co-editor on the following books: *The Geography of Naturopathic Physicians in the United States and Canada* (2006), *GIS in Law Enforcement: Implementation Issues and Case Studies* (2003), *A Case Study in the Role of Environmental Values in Conservation* (2002), and *Spatial Analysis, GIS, and Remote Sensing Applications in the Health Sciences* (2000). Dr. Albert is Editor-in-Chief of the *International Journal of Applied Geospatial Research*.

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**Saad Algharib** obtained a B.A. from Kuwait University in the field of Geography, and was granted a full scholarship from the department of geography at Kuwait University to pursue M.A and PhD degrees in the United States. Currently, he is pursuing his PhD at Kent State University and expects to complete his dissertation in spring 2011. Upon successful completion of the PhD degree, he will return to Kuwait to assume a position as a faculty member at the department of Geography. Goals include developing both research and academic skills in the area of geographic information science. Saad aims to expand his knowledge in GIS, human geography, and real-life problem solving skills.

**Lorin W. Anderson** is a Distinguished Professor Emeritus in the College of Education, University of South Carolina. His research areas include school learning, curriculum, and education assessment. He is currently Executive Vice-President of the Anderson Research Group, Columbia, SC.

**Patrick Biegon** is a spatial database management and web site design expert for Kimetrica. Along with Ben Watkins, he developed the spatial libraries and indexing systems that Population Explorer depends on. His tireless effort on Population Explorer produced the extensive flexibility embedded in the collaboration tools, allowing users to edit, view, and comment on scenarios.

**Richard G. Boehm**, current holder of the Jesse H. Jones Distinguished Chair in Geographic Education, is widely published in geography education and applied geography, and is the author of more than three dozen textbooks in geography and social studies education. He has received the highest honors in geographic education from the Association of American Geographers, the National Council for Geographic Education, and the National Geographic Society. He has raised more than \$7 million to support the activities of the Texas Alliance for Geographic Education and the Gilbert M. Grosvenor Center for Geographic Education. Currently, he is directing a \$4.5 million project using Internet technology to deliver professional development to geography teachers. Audrey Mohan earned her Ph.D. in Geographic Education from Texas State University–San Marcos in 2009, and has accepted an assistant professor position in the Department of Interdisciplinary Learning and Teaching at the University of Texas–San Antonio. Her research interests include K-12 and post-secondary geography education, geography and social studies teacher preparation and efficacy, environmental education, and informal geography education. She has also conducted research in applied geography education and training, with a focus on curricular issues at the post-secondary level.

**David J. Cowen** is a Carolina Distinguished Professor in the Department of Geography, University of South Carolina, Columbia, SC. His research interests include GIS, remote sensing, and spatial analysis of policy issues.

**Lawrence E. Estaville** is a professor of geography at Texas State University-San Marcos and a retired lieutenant colonel from the U. S. Army. As Geography Department chair, he led in establishing the first Ph.D. program at Texas State. Estaville also led in the establishment of the Business Geography Specialty Group of the Association of American Geographers. He has published five books and more than 40 peer-reviewed journal articles and book chapters. Professional organizations have recognized his work with scholarly awards. He has received two teaching awards and more than \$5.5 million in grants and contracts. The Geography Department presented him with its Outstanding Leadership Award for his accomplishments as department chair for ten years.

**Gang Gong** is an assistant professor in the Department of Geography and Geology at Sam Houston State University, Huntsville, Texas. His current research interests include the fare and network structure of the U.S. domestic air transportation, race and poverty segregation, and urban crime pattern analysis. He is also interested in the application of modern geospatial technologies such as geographic information systems (GIS) and remote sensing in the abovementioned fields.

**Mary Gordinier**, MD is a native of Kentucky, and received her MD from the University of Louisville. She completed her specialty training in Obstetrics and Gynecology at Brown University in Providence, RI, and subsequently completed a fellowship in Women's Oncology at that institution. She completed her fellowship in Gynecologic Oncology at the M.D. Anderson Cancer Center in Houston, Texas. Since that time, she has served as faculty at Brown University and the University of Louisville. She currently is practicing at the Norton Cancer Institute in Louisville, KY, where in addition to active clinical work she is the primary investigator on numerous trials.

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**Carol Hanchette** is an Associate Professor in the Department of Geography and Geosciences, University of Louisville, Louisville, Kentucky, USA. She also holds an Associate appointment in the University's School of Public Health and Information Sciences. She received her M.A. and Ph.D. in Geography from the University of North Carolina, Chapel Hill. Carol's teaching and research foci are on medical geography, globalization, spatial analysis and the use of geographic information science (GIS) for health analyses. Past research projects have included the spatial analysis of prostate cancer mortality (and preliminary testing of the Vitamin D hypothesis), geographic modeling and political ecology of childhood lead poisoning in North Carolina, geographic analysis of CDC-funded HIV prevention services, and an NIH-funded study on validation of indirect pesticide exposure estimates. Her current research foci are geographic disparities in women's cancers in Kentucky, and asthma, air quality and environmental justice in Louisville, Kentucky.

**Tony Hernandez** is the director and Eaton Chair of Retailing at the Centre for the Study of Commercial Activity (CSCA), Ryerson University.

**Bob Hickey** holds BS and MS degrees in geology and a PhD in geography. Since 1994, he has been working as a geography/spatial science professor, teaching primarily GIS, cartography, and remote sensing classes. Over the years, he's worked at the State University of West Georgia, Curtin University (Perth, Australia), the University of Pecs (Pecs, Hungary), and currently at Central Washington University. His research interests revolve around GIS and remote sensing applications in resource management.

**David Hoffpauir** is a Program Development Associate with the Incident Command Simulation Training Facility at the Law Enforcement Management Institute of Texas (LEMIT). He has an M.A. in Technology and a B.Sc. in Industrial Technology, both from Sam Houston State University (SHSU). Prior to transferring to LEMIT, he was employed for eleven years at the Texas Research Institute for Environmental Studies at SHSU where his primary duties included system administration and database development in support of the Visualization Laboratory. He has a strong background in GIS and was instrumental in obtaining corporate support for the first implementation of GIS technology at the University in 1994. He was appointed by the Governor's Office to the Texas State GIS Planning Council and has held that appointment since 1995. He has also served as Section Chair and Vice Chair for the Texas Academy of Sciences, Division of Geography and Geology.

**Lisa Jordan** is Assistant Professor of geography and public health at Florida State University. She received her Bachelor's and Master's degrees in Economics from the University of Texas at Dallas (1999, 2000), and her Doctorate in Geography from the University of Colorado (2006). Her research focuses on the intersection of health and GIS, with particular attention to spatial demographic techniques. Her published work examines issues in population estimation, environmental justice, health inequalities, and social dimensions of climate change.

**Lawrence Joseph** is currently a research analyst for a Fortune 500 retailer. He provides guidance to senior executives through the development and presentation of results from various quantitative models and the associated qualitative analysis. This concerns strategic planning for the optimal deployment of store locations as well as planning the assortment mix of the stores and the selection of stores for various

in-store testing programs. He also creates the store location map that is distributed throughout the business. Mr. Joseph is also a doctoral student in the School of Geographical Sciences and Urban Planning at Arizona State University. His expertise is in business geography, retail location, GIS, cartography, statistical modeling, and linear programming. Specifically, his research focuses on spatially based retail problems. His dissertation research is currently looking at the planning of optimal merchandise assortment for retail stores in different markets and situations.

**Karl Keeling** is a Master of Urban Planning student in the Department of Urban and Public Affairs at the University of Louisville, Louisville, Kentucky. His research interests include housing and community development, green technology, bicycling infrastructure, and applications of geographic information systems.

**Hyun Joong Kim** is an assistant professor of Department of Social Sciences at Pittsburg State University, Pittsburg, Kansas. His research interests are in geographic information systems (GIS), remote sensing (RS), and spatial analysis and modeling with spatial statistics. His research works include a broad range of collaborated research works with researchers from other disciplines, such as environment, urban planning, justice studies, economics, biology, sociology, and public health. He holds MA (2001) and PhD (2007) in geography from Kent State University, Ohio. He joined Department of Social Sciences at Pittsburg State University in 2007.

**Zachary Klaas** is an assistant professor of business geography, economic geography and urban/community development at the Central campus of the Connecticut State University System (CCSU) in New Britain, Connecticut.

**Jay Lee** received his PhD in Geography from the University of Western Ontario in 1989. He is professor and Chair of the Department of Geography at Kent State University. His research interests stem from a broad effort in integrating operations research and geographic information science as applied to various geographic phenomena in urban settings.

**Christopher JohnMansfield** is Professor in the Department of Public Health in the Brody School of Medicine and Director of the Center for Health Services Research and Development at East Carolina University. His career includes over a decade of practical experience as a health planner and public health administrator and almost three decades as an academic. His formal education was acquired at University of Michigan, BA Economics; Case Western Reserve, MS Public Management Science; and, Florida State University, PhD Public Administration. At East Carolina he has taught public health practice, health administration, health law, and health policy. He presently teaches research methods for public health and cultural and social dimensions of medical practice. His research focuses on social determinants of health and the measurement of health disparities and life span.

**Lisle S. Mitchell** is a Distinguished Professor Emeritus, Department of Geography, University of South Carolina. His research interests include geography of leisure, culture patterns, and urban geography.

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**Audrey Mohan** earned her Ph.D. in Geographic Education from Texas State University–San Marcos in 2009, and has accepted an assistant professor position in the Department of Interdisciplinary Learning and Teaching at the University of Texas–San Antonio. Her research interests include K-12 and post-secondary geography education, geography and social studies teacher preparation and efficacy, environmental education, and informal geography education. She has also conducted research in applied geography education and training, with a focus on curricular issues at the post-secondary level.

**Amanda Mullett's** research interests in the past have included using Geographic Information Systems as a tool to better understand the mobility patterns of early North American populations. She has also been involved in projects using Remote Sensing and GIS to analyze changes in urban land cover, locate prime transportation corridors, and to map archaeological sites, and artifacts within sites. Future research goals are to expand on previous urban studies, and also to explore the many functions in GIS applicable to archaeological research.

**Margaret Mwangi** works on developing Kimetrica's training and data services. She is an expert in GIS database development but also has keen applied and academic interests in advanced methods for understanding and articulating client needs and in issues of technology adoption. Margaret is also a lead trainer in application deployment and adoption. Maggie has worked with the UN, private sector and NGOs. Maggie has degrees in land surveying and IT.

**Amy E. Rock** is a GIS consultant currently pursuing a PhD in Geography at Kent State University. Past work includes specialized data conversion for the City of Cleveland Enterprise GIS project, transportation and utility mapping, integration of GPS and GIS for tourism mapping and evaluations of social conditions using GIS. Her work and teaching places a particular focus on pushing the boundaries of cartographic representation within GIS and the use of maps as tools in non-traditional settings. Current research interests center on aspects of economic accessibility in rural, non-farm regions, specifically in Appalachia. This work examines the infrastructure, economic and policy factors which impact the developmental health of the region, with the goal of expanding the use of GIS in decision support for community development.

**Rob Rose** runs Kimetrica's US office and is responsible for business development and communications with Kimetrica's clients. He is a professional geographer with a taste for high-tech Geographic Information Systems and has been working for the last 20 years mainly in Asia, and East and West Africa on the design and implementation of information systems. He has scientific publications on disaster and risk management, river basins, and climate change.

**Jared Schaffer** is a senior undergraduate student at Kent State University, and will be receiving his diploma in December. He has a strong interest in GIS and environmental geography. Jared was drawn to geography at an early age though his interest in meteorology. Through his studies at Kent State University he has learned the importance of geographic principles.

**Wei Song** is an associate professor in the Department of Geography and Geosciences at University of Louisville, Louisville, Kentucky. His research interests include transportation geography, location analysis, quantitative methods, applications of geographic information systems, and China.

**Magnus Svindal** is a GIS analyst and lead researcher on large format retailing at the CSCA. He coordinates the collection and development of a database of power centres across Canada. He holds a geographic analysis degree from Ryerson University.

**Benjamin Watkins** is responsible for developing Kimetrica's products and services and leads the software design team. He has been developing information systems, mainly in Africa and Asia, for the last 15 years. An economist by training, Ben has worked primarily in the agriculture and natural resource sectors, with a focus on poverty alleviation and food security projects. His particular area of expertise is the development of software with analytical and statistical functions. He is fluent in English, Italian and French and has scientific publications on information systems, pastoralism and drought management.

**David Webb** has been the Assistant Executive Director of the Law Enforcement Management Institute of Texas (LEMIT) since 2001. A graduate of Bramshill Police College, England, he completed his Ph.D. at Sam Houston State University. He is an adjunct faculty member at the University having relocated to the United States after spending over 30 years in policing. Twelve years were at the rank of Chief Superintendent of Police, and five years were in London as a Senior Police Advisor to the Home Office Police Department Office of Science and Technology. David worked extensively with overseas police departments in Europe, Asia and Africa. He is the recipient of a government research award for innovation in policing. In 2005, he introduced Incident Command Simulation Training to the Institute. His policing interests include decision-making, human trafficking, political violence and organizational issues. His latest book, "Competence and Policing" was published in July 2008.

**Barry Wellar** graduated from Queen's University and Northwestern University. Formerly Assistant Professor of Geography, University of Kansas, and Senior Policy Advisor, Urban Affairs, Government of Canada, he is now Emeritus Professor, Geography and Environmental Studies, University of Ottawa, Principal, Wellar Consulting Inc., Distinguished Research Fellow, Transport 2000 Canada, and Distinguished Geomatics and GIS Scientist, Lab for Applied Geomatics and GIS Science, University of Ottawa. He is a Registered Professional Planner, is qualified as an expert witness in transportation, and is a URISA Past President (1978). Dr. Wellar recently served on the Interdependent Infrastructures Panel, and the Strategic Safety and Security Panel, (Canada), is Director, Geographic Awareness Week, Canadian Association of Geographers, and is the recipient of the Horwood Award (URISA), the Anderson Medal and Ullman Award (AAG), and the Government and Business Award (CAG). This paper is based on the 2005 Anderson Lecture, which was sponsored by the Applied Geography Specialty Group, Association of American Geographers.

**Scott Westlund** is a professional engineer and land surveyor with more than 13 years of experience using geospatial technologies, both in Canada and internationally. He received his BSc in Geomatics Engineering from the University of Calgary, Canada, and his Master of Environment from the University of Manitoba, Canada. Mr. Westlund currently works as a consultant, with a particular focus on assisting environmental companies to build their geospatial knowledge and practice for use on environmental projects.



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**Thomas A. Wikle** is Professor of Geography and Associate Dean in the College of Arts and Sciences at Oklahoma State University in Stillwater, OK. Dr. Wikle has authored several previous articles on GIScience education and the Global Positioning System. Since 1990 he has directed projects for preparing GIScience professionals that have been funded by the National Science Foundation. His recent research examines wireless communication networks in the U.S. and abroad.

**James L. Wilson** is currently an Assistant Professor in the Department of Geography in the College of Liberal Arts and Sciences at Northern Illinois University. Previously he was a Visiting Assistant Professor at the Department of Geography at East Carolina University, the Associate Director for the Center for Health Services Research and Development at ECU, and worked for a two-year interim period as GIS Manager at North Carolina's State Center for Health Statistics. His academic interests include GIS in public health applications, the geography of health and disease focusing on disparities, agriculture and environment, and rural transformation. In addition to hardcopy and online atlases and maps, he has published in the *Professional Geographer*, the *Journal of the American Public Health Association*, and *Public Health Management and Practice*. He received BAs in Anthropology and Geography from the University of Washington (Seattle); MA and PhD in Geography from the University of North Carolina (Chapel Hill).

**Bin Zhou**, PhD (University of Georgia), is interested in the study of banking and financial geography. He is the author of *Banking Geography of the United States: Structure, Conduct, and Performance of Commercial Banks in the U.S. Metropolitan System* (1997, Garland Publishing Inc.). He also publishes in *Urban Geography*, *Housing Studies*, *Southeastern Geographers*, etc. His other works involve China study and he is a contributor and an editorial board member of the *Columbia Gazetteer of the World* (1998, Columbia University Press). He also serves as an editorial board member of an Internet based journal, *Geography Online*. He is currently professor at Department of Geography, Southern Illinois University Edwardsville, USA.

**Haifeng (Charlie) Zhang**, Ph.D. is an assistant professor at the Department of Geography & Geosciences, University of Louisville, Kentucky. His research interests include geographic analysis of education issues, racial inequalities, urban crime, and GIS applications.