

**Curriculum Vitae**  
**March 6, 2018**

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**Katsuhiko “Kirk” Oda**  
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**EDUCATION**

- 2011 Ph.D., Geography, Texas A&M University  
Concentrations: Spatial Thinking, GIS Education, GIS Analysis for Urban Issues  
Dissertation: *College Students’ GIS Spatial Concept Knowledge Assessed by Concept Maps*  
Advisor: Dr. Sarah Bednarz
- 1998 M.A., Geography, The University of Toledo, Ohio  
Concentrations: GIS, Cartography, Spatial Cognition  
Thesis: *Blind Persons’ Spatial Acquisition from Tactual Maps*  
Advisor: Dr. Peter Lindquist
- 1994 B.A., Geography, Nara University, Japan  
Concentrations: GIS, Cartography

**TEACHING EXPERIENCE**

Mar 2017- Present Assistant Professor (Teaching), Spatial Sciences Institute, University of Southern California

Aug 2011- Mar 2017 Lecturer, Spatial Sciences Institute, University of Southern California

**Graduate-level Courses Taught**

SSCI 581 Concepts for Spatial Thinking – Taught online since 2011. Work with co-instructors as course lead since 2013. Remodeled online course in 2013. Redesigned the course Blackboard site in 2014. Transformed the online course into a flipped classroom course in 2015. Started implemented the flipped classroom in 2015. Introduced major updates from Fall 2016 to Spring 2017. Mentored new faculty in 2016 and 2017.

SSCI 589 Cartography & Visualization - Taught online as course lead since 2011. Redesigned online course in 2012. Introduced major updates in Summer 2017. Student final projects invited for the Map Gallery at Esri International User Conference 2013 (2 students), 2014 (5 students), 2015 (3 students), 2016 (5 students), 2017 (6 students)

SSCI 593 Geospatial Data Integration – Created new online course 2014. Taught online as course lead since 2014.

### **Theses Directed: Master’s of Science in Geographic Information Sciences and Technology**

- 2015 Benjamin Anderson, *Cartographic Approaches to the Visual Exploration of Violent Crime Patterns in Space and Time: A User Performance Based Comparison of Methods*
- 2014 Corina Chung, *Integrating Spatial Visualization to Improve Public Health Understanding and Communication*
- 2014 David Breeding, *Identifying and Locating the Need for Financial Education*

### **Teaching Assistant**

2007–2009 Department of Geography, Texas A&M University  
Taught labs for physical geography, cartography and introductory-level GIS courses

### **PUBLICATIONS**

#### **Refereed Journal Articles**

- 2016 Oda, K. Concept Maps as a Tool to Analyse College Students’ Knowledge of Geospatial Concept. *RIGEO* 6: 177-199.
- 2011 Oda, K. Assessing College Students' Spatial Concept Knowledge in Complexity Levels. *Procedia Social and Behavioral Sciences* 21: 63-72.
- 2011 Arrowsmith, C., Bagoly-Simo, P., Finchum, A., Oda, K. and Pawson, E. The Implications of Student Employability for the Design of Geography Curricula. *Journal of Geography in Higher Education* 35: 365-377.

#### **Refereed Conference and Symposium Proceeding**

- 2016 Oda, K. and Larson, L. “Transforming an Online Course into a Blended Course.” In Conference Proceedings & Resources of Distance Teaching & Learning Conference, 252-256, accessed December 2, 2016, [https://dtlconference.wisc.edu/wp-content/uploads/2016/09/DTLProceedings\\_2016-2-1.zip](https://dtlconference.wisc.edu/wp-content/uploads/2016/09/DTLProceedings_2016-2-1.zip).

- 2015 Oda, K. and Kamei, S. "Maximizing the Online Experience: Developing a Master Course Shell with Faculty Consensus." In Conference Proceedings & Resources of Distance Teaching & Learning Conference, 84-87, accessed October 15, 2015, <https://dtlconference.wisc.edu/wp-content/uploads/2015/08/Proceedings-2015.pdf>.

### **Non-refereed Article**

- 2013 Oda, K. Los Angeles: The Diversity of Neighborhoods in Terms of a Socio-demographic Perspective (in Japanese). *The New Geography: The Geographic Education Society of Japan* 61: 41-47.

### **CONFERENCE PRESENTATIONS**

- 2017 Oda, K. "Enhancing Problem-based Learning through Flipped Classroom Approach." Association of American Geographers Annual Meeting, Boston, Massachusetts.
- 2017 Oda, K. "Differences in Student Perception of Online and Blended Learning." Association of American Geographers Annual Meeting, Boston, Massachusetts.
- 2016 Oda, K. "Flipping an Online GIS Course." ESRI Education User Conference, San Diego, California.
- 2016 Oda, K. "A Process of Transforming an Asynchronous Online Course into a Flipped Classroom Course." Association of American Geographers Annual Meeting, San Francisco, California.
- 2016 Oda, K. "Challenges in GIS Flipped Classroom for Active Learning." Association of American Geographers Annual Meeting, San Francisco, California.
- 2015 Oda, K. and Kamei, S. "Maximizing the Online Experience: Developing a Master Course Shell with Faculty Consensus." UW-Madison Distance Teaching & Learning Conference, Madison, Wisconsin
- 2015 Oda, K. "Designing a GIS Online Course with a Learner-Centered Paradigm." Association of American Geographers Annual Meeting, Chicago, Illinois.
- 2014 Oda, K. "Online Course Materials for Spatial Thinking." ESRI Education User Conference, San Diego, California.
- 2013 Oda, K. "Assessment Methods of Geospatial Concept Maps." International Geographic Union Kyoto Regional Conference, Kyoto, Japan.
- 2013 Oda, K. "Implementing Spatial Thinking Training in GIS Course." Association of American Geographers Annual Meeting, Los Angeles, California.
- 2012 Oda, K., Hastings, J. and Mulhall, T. "Development of a Graduate Cartography Course." ESRI Education User Conference, San Diego, California.

- 2011 Oda, K. "Assessing College Students' Spatial Concept Knowledge in Complexity Levels." The International Conference "Spatial Thinking and Geographic Information Sciences," Tokyo, Japan.
- 2011 Oda, K. "College Students' Understanding of Geospatial Concepts." Association of American Geographers Annual Meeting, Seattle, Washington.
- 2010 Oda, K. and Zhu, X. "GIS Analysis of the Distance and Safety for School Transportation." ESRI Education User Conference, San Diego, California.
- 2010 Oda, K. "Scoring Spatial Concept Maps for Two GIS Courses." Association of American Geographers Annual Meeting, Washington D.C.
- 2009 Oda, K. "Spatial Concept Learning in College GIS Courses." National Council for Geographic Education Annual Meeting, San Juan, Puerto Rico.
- 2009 Oda, K. "Assessment of Spatial Concept Maps." International Geographic Union Commission for Geography Education Conference, Tsukuba, Japan.
- 2009 Oda, K. "GIS Undergraduate Students' Spatial Misconceptions." Association of American Geographers Annual Meeting, Las Vegas, Nevada.
- 2006 Oda, K. "Blind persons' spatial knowledge acquisition from tactile maps." Association of American Geographers Annual Meeting, Chicago, Illinois.
- 2005 Oda, K. "Visually Impaired Persons' Spatial Acquisition from Tactual Maps." Annual Meeting of the National Council for Geographic Education, Birmingham, Alabama.

### **Conference Panels**

- 2017 "NCRGE Research Roundtable." Panel at National Conference on Geography Education, Albuquerque, New Mexico, July 27-July 30
- 2017 "Working Abroad: International Job Opportunities for Geographers." Panel at Association of American Geographers Annual Meeting, Boston, Massachusetts, April 5-April 9
- 2016 "Working Abroad: International Job Opportunities for Geographers." Panel at Association of American Geographers Annual Meeting, San Francisco, California, March 29-April 2
- 2016 "Career Mentoring." Panel at Association of American Geographers Annual Meeting, San Francisco, California, March 29-April 2
- 2015 "Geography at a Distance: Best Practices in Teaching a Lower Division Introductory Course Online." Panel at Association of American Geographers Annual Meeting, Chicago, Illinois, April 20-25

- 2010 “International Students' Integration Experiences in Graduate Geography Programs.”  
Panel at Association of American Geographers Annual Meeting, Washington D.C.,  
April 14-18

## **ACADEMIC SERVICE**

### **Conferences and Symposia**

- 2018 Organizer and Instructor, Teaching with Geospatial Technology: Tools for Inquiry-based Instruction in Science and Social Science, One-day Workshop for Local Middle and High-school Teachers, Los Angeles County Office of Education, Downey, California.
- 2017 Judge, My California GIS Mapping Competition, California Geographic Alliance, San Diego, California.
- 2017 Chairperson and Organizer, Best Practices for Teaching in a Web-based Learning Environment, Association of American Geographers Annual Meeting, Boston, Massachusetts.
- 2016 Chairperson and Organizer, Blended Learning - Teaching Geography Online and Face-to-Face, Association of American Geographers Annual Meeting, San Francisco, California.
- 2013 Chairperson, Geography Education Theme, International Geographic Union Kyoto Regional Conference, Kyoto, Japan.
- 2009 Chairperson, Mental Process of Spatial Thinking Theme, International Geographic Union Commission for Geography Education Conference, Tsukuba, Japan.
- 2008 Interpreter, Cultivating Students' Spatial Thinking for Geospatial Information-based Society: Learning from the Experiences of Geography Education in the US, July 27 2008 in Nara and July 28 2008 in Tokyo, Japan.

### **University**

*Spatial Sciences Institute (SSI), University of Southern California (USC)*

- 2017 Delivered presentations on SSCI 581 and 589 at the SSI Forward
- 2017 Assessed two SSI instructors' classes as a part of the SSI's faculty evaluation
- 2017 Thesis Committee Member, Charles Hall, Alec Zoeller, Jonathan Alfonso, Katherine Wright, Keith Darby
- 2017 Assisted USC GeoScavenge, Welcome Week events in January and August
- 2016 Thesis Committee Member, Samantha Tucker, Marisol Maciel-Cervantes, Benjamin Suber, Megan Oyarzun, Joshua Greetan, Jennifer Jin, Jason Martos, Johnny Musser, Michael Quant, Jennifer Titus, Yee Kit Tsang
- 2016 Delivered presentations on SSCI 581, 589 and 593 at the SSI Forward
- 2016 Assisted SSI's curriculum analysis on the Penn State University Online GIST Programs
- 2016 Organized a group of GIST students to present at the Map Gallery of the Esri Education

- User Conference, San Diego, California.
- 2016 Member, GIST Course Datasets Committee
- 2015 Thesis Committee Member, Alfredo Cisneros, Jenora D'Acosta, Brian Dean, Jason Gonzalez, Chad Johnson, Carlos Martinez, Yonatan Rosen, Christine Schultz, Christopher Staffel, Adrianna Valenti, Mark Wimmer
- 2015 Member, SSCI 594 Master's Thesis Jury
- 2015 Organized a group of GIST students to present at the Map Gallery of the Esri Education User Conference, San Diego, California.
- 2015 Member, GIST Thesis Prize Committee
- 2014 Thesis Committee Member, Shawn Baldwin, Emily Frazier
- 2014 Delivered a presentation, *Streamlining Online Course Design for a Better Student Experience*, in the November Instructional Designer faculty forum held by the Center of Scholarly Technology
- 2014 Conducted a training session on GIS for School of Social Work at USC
- 2014 Delivered a presentation about use of rubrics for online class in the September Instructional Designer forum held by the Center of Scholarly Technology
- 2014 Conducted a session: Interactive Learning Components and Course Flow at the GIST Faculty / Staff Retreat
- 2014 Developed a template Blackboard course site for Spatial Sciences Institute
- 2013 Member, Spatial Sciences Institute Office Policy Committee
- 2013 Member, GIST Thesis Prize Committee
- 2013 Organized two sessions: *Concepts for Spatial Thinking* and *Interactive Learning & Pedagogy* at the GIST Faculty / Staff Retreat

### **Academic Journal Reviews**

- Transactions in GIS  
 Review of International Geographical Education Online (RIGEO)

### **PROFESSIONAL DEVELOPMENT**

- 2017 Attended the Teaching with Technology Conference, October 7 – 8 in Baltimore, Maryland
- 2016 Attended the 2016 Early Career Workshop hosted by the National Center for Research in Geography Education (NCRGE), May 15 – 18 in Lafayette, Louisiana
- Selected as a participant after the NCRGE reviewed my application.
  - Received a \$1,200 honorarium
- 2015 Obtained a GIS Professional (GISP) certificate
- 2015 Participated in the workshop *Ready to Learn: How to Get Your Students to Come to*

*Class Prepared, August 7 in Austin, Texas*

- 2015 Attended an annual conference for the OpenStreetMap community, June 6 – 8 in New York, New York
- 2015 Attended an inaugural conference for the Humanitarian OpenStreetMap Team, April 30 – May 2 in Washington, D.C. New York, New York
- 2013 Participated in a training session for SSCI 587 instructors, July 22-28 2013 on Santa Catalina Island, California
- 2010 Participated in the International Network for Learning & Teaching Geography in Higher Education (INLT) workshop, April 11-13 2010 in Washington D.C.
- 2008 Participated in the Geography Faculty Development Alliance (GFDA) workshop for graduate students and early career faculty, June 15-21 2008 in Boulder, Colorado

### **PROFESSIONAL MEMBERSHIPS**

Association of American Geographers  
National Council for Geographic Education  
National Center for Research in Geography Education Research Coordination Network

### **RESEARCH / PROFESSIONAL EXPERIENCE**

- 2017 Submitted a proposal to the National Center for Research in Geography Education (NCRGE) funds for transformative research in geography education and received the grant (\$15,000).
- 2009 – 2011 GIS Research Assistant, Department of Architecture, Texas A&M University  
Conducted GIS crime spatial analysis and network analysis for elementary school children's home-to-school routes in Austin, Texas
- 2009 GIS Student Technician, Department of Architecture, Texas A&M University
- 2000 – 2004 GIS Analyst, Tokyo Cartographic Co. Ltd.
- 1999 – 2000 GIS Technician, Ecological Research Center of Kyoto University
- 1999 – 2000 Map Editor, Hyogen Kenkyujo Co. Ltd.