

YOH KAWANO

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UCLA Office of Advanced Research Computing
Senior Computational Scientist, Spatial Data Visualization
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UCLA Urban Planning Department
Adjunct Professor

UCLA Digital Humanities Program
Adjunct Professor

EDUCATION

University of California, Los Angeles - Los Angeles, CA
2015 - 2020
PhD in Urban Planning

Dissertation Title: "[Human Error and Human Healing in a Risk Society: The Forgotten Narratives of Fukushima](#)"

Professor Abel Valenzuela, Co-Chair
Professor Anastasia Loukaitou-Sideris, Co-Chair

University of California, Los Angeles - Los Angeles, CA
1995 - 1997
Master of Arts in Urban Planning

International Christian University - Tokyo, Japan
1990 - 1994
Bachelor of Arts in Sociology

ACADEMIC EMPLOYMENT

UCLA Office of Advanced Research Computing
2007 - Present
Research Technology Group, Senior Computational Scientist, Spatial Data Visualization

UCLA Urban Planning Department

2011 - Present

Adjunct Professor

UCLA Center for Digital Humanities

2011 - Present

Adjunct Professor

UCLA Urban Humanities

2012 - 2016

Steering Committee Member and Affiliated Faculty

UCLA Center for Neighborhood Knowledge

1997 - 2007

Director of Information Technology

PUBLICATIONS

Book:

Presner, Todd, David Shepard, and Yoh Kawano. 2013. *HyperCities: Thick Mapping in the Digital Humanities*. Harvard University Press.

Refereed Journal Articles:

Kawano, Yoh. 2020. Narratives of a Non-urban Humanity (short essay). *Urban Humanities: New Practices for Reimagining the City*. MIT Press..

Hirano, Katsuya, Yoshihiro Amaya, and Yoh Kawano. 2018. "‘Save the Town’: Insolvable Dilemmas of Fukushima’s ‘Return Policy.’" *The Asia-Pacific Journal: Japan Focus* 16 (3).

Hirano, Katsuya, Yoshihiro Amaya, and Yoh Kawano. 2017. "Reconstruction Disaster: The Human Implications of Japan’s Forced Return Policy in Fukushima." *The Asia-Pacific Journal Japan Focus* 15 (7).

Kawano, Yoh, Arfakhashad Munaim, Jun Goto, Yugo Shobugawa, and Makoto Naito. "Sensing Space: Augmenting Scientific Data with Spatial Ethnography." *GeoHumanities* 2, no. 2 (July 2, 2016): 485-508.

Kawano, Yoh, David Shepard, and Yugo Shobugawa. 2012. "A Map for the Future: Measuring Radiation Levels in Fukushima, Japan"

Goto, Jun, Yugo Shobugawa, Yoh Kawano, Yoshihiro Amaya, Takuji Izumikawa, Yoshinori Katsuragi, Tomohiro Shiiya, et al. 2016. "Development of a Portable Gamma-Ray Survey System for the Measurement of Air Dose Rates." In Proceedings of International Symposium on Radiation Detectors and Their Uses (ISR2016). *Journal of the Physical Society of Japan*.

Non-Refereed Articles:

Kawano, Yoh (2014). Golden Gai, Shinjuku's Intimate Public. In *Shin-Shinjuku: New Tokyo, Again*. UCLA Urban Humanities Initiative.

Presner, Todd, David Shepard, and Yoh Kawano. 2011. "Mapping voices that fell the Mubarak regime," *Geospatial Today*.

FILMS

Human Error. Director Yoh Kawano. 2019.

Metamorphosis. Director Jun Hori. Producer Yoh Kawano. 8bitNews, 2013.

SELECTED PRESENTATIONS

Keynote: Los Angeles County GIS Day
November 13, 2021
"Human Error and the Narratives of the People"

Crossing Borders: Past and Future of Japanese Studies in the Global Age, Prague, Czech Republic (invited)
October 10, 2019
"Human Error" film screening and panelist on "8 years On: Scholars' Efforts to Reclaim Culture after the Great East Japan Earthquake"

Urban Humanities Initiative, UCLA (invited)
May 25, 2019
"_plan" an urban humanities exhibition and symposium
Respondent for panel on "Mapping the Plan"

Loyola Marymount University (invited)
April 24, 2019
Guest lecturer in Transpacific Japan course

Midwest Conference on Asian Affairs (MCAA), Minnesota (invited)
October 20, 2018

“Human Error” selected as the feature film in the session “Nuclear Asia: Prospects for Peace”

PhD Seminar, Riga Stradins University, Latvia (invited)

November 28, 2018

“Human Error” screening and Q&A

Association for Asian Studies (AAS), Washington DC (invited)

March 24, 2018

Film Expo “Remembered Asia, Transformed Futures”

“Human Error” film screening and panelist

University of California Riverside (invited)

March 10, 2018

Lessons From Fukushima Nuclear Disaster

“Human Error” selected as the feature film to commemorate the anniversary of the Japan disasters

Tokyo Electric Power Company (TEPCO), Tokyo, Japan (invited)

December 15, 2017

“Human Error” film screening in front of 100 TEPCO executives followed by a talk and Q&A session, reflecting on the impact that the disaster has had on the affected communities.

Futabaya Ryokan, Fukushima, Japan

July 2, 2017

Community Center inside Evacuation Zone

“Human Error” film screening and discussion with affected community members

Symposium on Ecology and Japan, UC Irvine (invited)

June 15, 2017

“Human Error” film screening and panelist

UCLA Trans-Pacific Workshop, Los Angeles

June 10, 2017

“Human Error” film screening and panelist

Niigata University, Japan

June 26, 2016

Bishamon International Symposium

“Supporting Fukushima: Current Activities and Future Outlooks”

University of California, Santa Cruz (invited)

November 4, 2016

From Concept to Project: A Digital Mapping Workshop

UCLA: Design Knowledge, Los Angeles

November 15, 2015

Making Urban Humanities

Cal Poly University, San Luis Obispo (invited)

February 14, 2014

Measuring Radiation Levels: A Twitter Experiment

Harvard University, Boston

January 24, 2013

Opportunities and Challenges of Participatory Digital Archives: Lessons from the March 11, 2011 Great Eastern Japan Disaster

2012 IEEE Global Humanitarian Technology Conference

October 22, 2012

A Map for the Future: Measuring Radiation Levels in Fukushima, Japan

ESRI User Conference, San Diego

July 24, 2012

A Map for the Future: Mapping Radiation in Fukushima, Japan

UCLA DIYDays, Los Angeles

October 28, 2011

How do you tell a story with a million tweets?

TEDx UCLA, Los Angeles

June 28, 2011

Minding, Mining, Mending, Mapping

“Can Twitter Save Lives?”

Harvard CGA Conference, Boston

August 14, 2011

Geospatial Collaboration - New Common Ground

“Between Social Media and GIS: Mapping Revolutions, History, and Catastrophe”

UNIVERSITY COURSES TAUGHT

All classes taught with the title of Lecturer (title code 1632), UCLA

Introduction to GIS and Spatial Data Science (Urban Planning UP206A)

2022 Winter (Total enrollment: 30)

Introduction to GIS and Spatial Data Science (Urban Planning UP206A)

2021 Fall (Total enrollment: 28)

Web GIS: Introduction to Digital Mapping (Digital Humanities DH151)

2021 Spring (Total enrollment: 30)

Coding for Humanists (Digital Humanities DH140)

2020 Winter (Total enrollment: 30)

Introduction to GIS and Spatial Data Science (Urban Planning UP206A)

2020 Winter (Total enrollment: 30)

Introduction to GIS and Spatial Data Science (Urban Planning UP206A)

2020 Fall (Total enrollment: 26)

Urban Humanities Summer Institute (Arch&UD M295, Urban Planning M295, Digital Humanities DH250)

2014 Summer Session C (Total enrollment: 26)

Advanced GIS (Urban Planning M206B, Public Policy M224B)

2014 Spring (Total enrollment: 31)

Urban Humanities Summer Institute (Arch&UD M404, Urban Planning M404, Digital Humanities DH250)

2013 Summer Session C (Total enrollment: 21)

Advanced GIS (Urban Planning M206B, Public Policy M224B)

2013 Spring (Total enrollment: 25)

Geographic Information Systems (Urban Planning M206A, Public Policy M224A)

2012 Winter (Total enrollment: 17)

Geographic Information Systems (Urban Planning M206A, Public Policy 191A/M224A)

2012 Fall (Total enrollment: 19)

Advanced GIS (Urban Planning M206B, Public Policy M224B)

2012 Spring (Total enrollment: 17)

Geographic Information Systems (Urban Planning M206A, Public Policy M224A)

2011 Winter (Total enrollment: 16)

Advanced GIS (Urban Planning M206B, Public Policy M224B)

2011 Spring (Total enrollment: 33)

Geographic Information Systems (Urban Planning M206A, Public Policy 191A/M224A)

2010 Winter (Total enrollment: 19)

Advanced GIS (Urban Planning M206B, Public Policy M224B)

2006 Spring (Total enrollment: 20)

Geographic Information Systems (Urban Planning M206A)

2006 Summer Session C (Total enrollment: 13)

Geographic Information Systems (Urban Planning M206A)

2007 Summer Session C (Total enrollment: 9)

Special Topics: Planning Methods (Urban Planning UP229)

2001 Spring (Total enrollment: 9)

SELECTED RESEARCH PROJECTS

Million Dollar Hoods (PI: Professor Kelly Lytle Hernandez)

2016-present

Funding from: Haynes Foundation, California Endowment

Technologies used: PostGreSQL, Leaflet, Python, Carto

Built on partnerships with community based organizations, this interactive web-based portal provides unprecedented public access to jail data in Los Angeles to identify patterns of incarceration throughout the county.

<http://milliondollarhoods.org>

The Urban Displacement Project (PIs Professors Karen Chapple and Anastasia Loukaitou-Sideris)

2016-2018

Funding from: California Air Resources Board, California Endowment

Technologies used: Carto

A research and action initiative of UC Berkeley, UCLA, community based organizations, regional planning agencies, and the State of California's Air Resources Board. The project aims to understand the nature of gentrification and displacement in the Bay Area and Southern California.

<http://www.urbandisplacement.org/>

Bishamon

2012-present

Technologies used: Google Maps API

This interactive web mapping portal displays measures of airborne radiation in and around the city spaces that surround the Fukushima nuclear power plant. A time function allows citizens to gage the level of risk over time in their communities. This project is made possible through a partnership between UCLA, Niigata University, and Minamisoma City. The website now serves as an official portal for Minamisoma City's post-disaster risk assessment plans.

<http://bishamon.org>

HyperCities (PI: Professor Todd Presner)

2008-2014

Funding from: MacArthur Foundation, Haynes Foundation, Google, The National Endowment for the Humanities (NEH)

Technologies used: Google Maps API, Google Earth API

A collaborative research and educational platform for traveling back in time to explore the historical layers of city spaces in an interactive, hypermedia environment.

<http://hypercities.com>

Ancient Egyptian Architecture Online (PI: Professor Willeke Wendrich)

2014

Funding from: Deutsche Forschungsgemeinschaft (DFG), The National Endowment for the Humanities (NEH)

Technologies used: ArcGIS Server

A joint collaboration between the German Archaeological Institute in Cairo (DAIK) and UCLA to provide vetted and standardized architectural drawings of a selection of ancient Egyptian buildings.

<http://drupaldev.aegaron.ucla.edu/>

NKLA/NKCA (PI: Professor Neal Richman)

1998-2006

Funding from: U.S. Department of Commerce, Technology Opportunities Program (TOP)

Technologies used: ArcIMS, MS SQL Server, Cold Fusion

The neighborhood knowledge Los Angeles and California projects were initiated in the late-90's to address neighborhood disinvestment and slum-housing. By making property level data accessible to the public, the project provided early warning indicators for signs of neighborhood deterioration. Through community outreach and training, citizens were encouraged to take matters into their own hands for their community development efforts. NKLA showed how technology can help connect neighborhoods across large, multiethnic areas and give residents a role in the policy-making process

LILA (PI: Alan Toy)

2002-2006

Funding from: California Endowment, County of Los Angeles, City of Los Angeles, Microsoft

A consumer-directed and regionally focused online project to benefit people with disabilities living in Los Angeles County. LILA uses a GIS-based (Geographic Information Systems - a map formatting tool), interactive information resource database, created by local residents with disabilities using their personal "expert knowledge" to identify and map local

independent living resources. Through collaborations with local governments and private non-profit community service agencies, the LILA information system incorporates a variety of databases relevant to the Los Angeles disability and senior community. These may include the locations of services and programs benefiting people with disabilities, local businesses serving the community, accessibility features of publicly subsidized housing, inclusive recreation programs, independent living resource information, etc.

Healthy City

2004-2007

Funding from: James Irvine Foundation

An easy-to-use online platform for accessing data, creating maps, and working collaboratively. It allows users to theme and filter data, conduct research, and connect with their communities. Beyond providing free access to curated databases of community services and localized data variables, HealthyCity.org offers the ability for users to "tell their own story" by uploading their own data or multimedia to the system.

SELECTED CLASS LECTURES (UCLA)

Digital Methods for Research and Scholarship (Information Science DIS289)

Fall 2018

"Data Visualization and Spatial Thinking"

Introduction to Digital Humanities (Digital Humanities DH101)

Fall 2018

"Qualitative Methods: Extracting Topics from Long Interviews"

Popular Literature and Culture (English 108)

Spring 2018

"Data Visualization and Mapping: Using Palladio to Visualize Data"

Disaster Management and Response (Urban Planning UP232)

Spring 2018

"Spatial Ethnography in Fukushima, Japan"

Urban Humanities Summer Institute

Summer 2017

"Thick Mapping"

WORKSHOPS/EVENTS

Economics Department PhD Seminar, UCLA

Winter 2017

“Spatial Analysis: An Introduction to GIS”

Three day workshop on data concepts, spatial thinking, and spatial analysis for economic PhD students.

Cotsen Institute of Archaeology GIS Workshop, UCLA

Winter 2018

“Spatial Analysis: An Introduction to GIS for Archaeologists”

Two day workshop on data concepts, management, integration into spatial databases, spatial analysis, and map production for archaeological project teams.

GISDay, UCLA

This annual event celebrates the use of spatial thinking and research in real world applications. Beginning in 2017, UCLA and USC joined forces to make GISDay a joint event of a shared spatial speaker series and a humanitarian themed “Mapathon,” partnering with HOT (Humanitarian OpenStreetMap Team) to join in the efforts to digitize disaster struck areas around the world.

GIS Workshop Series, UCLA

In addition to course lectures and specialized workshops, I teach the following workshops on a regular basis:

- Introduction to GIS
- Introduction to Spatial Data
- Getting Started With GIS and Spatial Research: Census data analysis with Python
- Introduction to Data Science with Python
- Introduction to GIS for the Social Sciences
- Introduction to GIS/Spatial Research with Python
- Introduction to Spatial Statistics with Python
- Census Data Analysis and Mapping with Python
- Web Mapping with Google Maps API
- Web Mapping with Leaflet
- Mapping with Social Explorer
- Mapping Open Data: Using LA’s Open Data Portal
- Spatial Statistics: Hot Spot Analysis
- Spatial Statistics: Central Means and Directional Distributions
- Data Visualization with Palladio
- Getting Started with ArcPy
- Introduction to Spatial Analysis
- Introduction to Network Analysis
- Introduction to Python for GIS
- Story Mapping
- Introduction to Carto
- History of Digital Mapping and Beyond
- Research Data Visualization

AWARDS

- 2019 Dissertation Year Fellowship - \$20,000
- 2018 Sasakawa Graduate Fellowship - \$7,000
- 2017 Urban Humanities Initiative - \$2,000
- 2017 Graduate Summer Research Mentorship Program - \$6,000
- 2016 Graduate Research Mentorship - \$20,000
- 2015 Terasaki Center Graduate Student Fellowship - \$7,500
- 2014 Urban Humanities Initiative Faculty Grant - \$6,500
“Spatial Ethnography: Storytelling With Data”

LANGUAGES

English: Native
Japanese: Near native
Spanish: Intermediate

REFERENCES

Dana Cuff
Professor of Architecture and Urban Design
Director of UCLA cityLAB
dcuff@aud.ucla.edu

Anastasia Loukaitou-Sideris
UCLA Luskin School of Public Affairs
Associate Provost for Academic Planning
Professor of Urban Planning
sideris@ucla.edu

Todd Presner
Chair and Professor UCLA's Department of European Languages and Transcultural Studies
Special Advisor to Vice Chancellor for Research
presner@ucla.edu

YOH KAWANO

Phone: 310-903-9394 · Email: yohman@gmail.com

Lisa Snyder

Director of Campus Research Initiatives, UCLA Office of Advanced Research Computing
lms@ucla.edu

Abel Valenzuela

Professor of Urban Planning and Chicano Studies
Director of UCLA Institute for Research on Labor and Employment
abel@ucla.edu