			CGA Annual Conference		
			Illuminating Space and Time in Data Science		
			April 26-27, 2018		
			1730 Cambridge St., Cambridge, MA 02138		
	Co-organizers:		Center for Geographic Analysis, Harvard University		
			The Harvard Data Science Initiative		
			Esri		
	Co-sponsors:		I/UCRC Spatiotemporal Innovation Center		
			MapD Technologies, Inc.		
4/26/2018	***1:00 PM***	***-***	***5:30 PM***	CGIS South, Belfer Case Study Room (S020)	***65 seats***
Begin	**End**	**Duration**	**Workshops (CGIS South S020)**	**Presenters**	**Facilitator**
1:00 PM	1:30 PM	0:30	*Registration*	CGIS South Concourse	
1:30 PM	1:40 PM	0:10	Welcome & Orientation	Jason Ur	
1:40 PM	2:20 PM	0:40	Interacting with National Water Model (NWM) Predictions	Devika Kakkar (CGA), Aaron Williams (MapD)	Ben Lewis
2:20 PM	3:00 PM	0:40	Spatiotemporal Methodologies and Analytics for Extreme Weather Study - Using Dust Storm Event as an Example	Manzhu Yu (STC & GMU)	Ben Lewis
3:00 PM	3:15 PM	0:15	*Coffee Break*	CGIS South Concourse	
3:15 PM	4:45 PM	1:30	GeoAI: Machine Learning meets GIS	Omar Maher (Esri)	Wendy Guan
4:45 PM	5:30 PM	0:45	Big Flow Data Visual Analytics through TrajAnalytics	Xinyue Ye (KSU & CGA)	Wendy Guan
6:00 PM	8:00 PM	2:00	*Invited contributors' dinner*	CGIS South, Lee Gathering Room (S030)	Jason Ur
4/27/2018	***8:30 AM***	***-***	***5:40 PM***	CGIS South, Tsai Auditorium (S010)	***150 seats***
Begin	**End**	**Duration**	**Plenary Sessions (CGIS South S010)**	**Speakers**	**Moderator**
8:30 AM	9:00 AM	0:30	*Registration*	CGIS South Concourse	
9:00 AM	9:10 AM	0:10	Welcome, Introduction and Overview - Exploring the relationship between Data Science and GIScience	Liz Hess (Harvard)	Jason Ur
9:10 AM	9:40 AM	0:30	**Keynote - DATA SCIENCE AND OUR ENVIRONMENT**	Francesca Dominici (Harvard)	Jason Ur

9:40 AM	11:00 AM	1:20	Panel 1: Sensors, Smart Objects and Infrastructure for Data Science - This panel will discuss the variety of new systems for sensing, including smart objects and location-based services, an expansion of the Internet of Things (IoT), and new infrastructure for research and development.	Peter Fox (Rensselaer), Mike Goodchild (UCSB), Brendan Meade (Harvard), Carlo Ratti (MIT), Chaowei Phil Yang (GMU)	Matt Wilson
11:00 AM	11:10 AM	0:10	*Coffee Break*	CGIS South Concourse	
11:10 AM	12:30 PM	1:20	Panel 2: Crowdsourcing, Geocomputation, and Spatiotemporal Analysis - This panel will discuss the analytical and methodological dimensions of data science, including volunteered geographic information, crowdsourcing, geocomputation, and spatiotemporal analysis.	Amen Ra Mashariki (Esri), Amelia McNamara (Smith College), Shashi Shekhar (UMN), Alex Singleton (Liverpool), Robert Stewart (ORNL)	Ben Lewis
12:30 PM	1:15 PM	0:45	*Lunch Break*	CGIS South Concourse	
1:15 PM	2:00 PM	0:45	Poster Viewing and Fisher Prize Judging	CGIS South Concourse	Jeff Blossom
2:00 PM	2:30 PM	0:30	**Keynote - THE LANDSCAPE OF GISCIENCE**	Mike Goodchild (UCSB)	Jason Ur
2:30 PM	3:50 PM	1:20	Panel 3: Data Science for Cities, Health, and Environment - This panel will discuss a range of case studies and applications of spatial data science including in the management of cities, health and behaviors, and environmental monitoring.	Emad Khazraee (Harvard Berkman/Kent State), Amy Lobben (Oregon), Bjoern Menze (TU Munich), Andres Sevtsuk (Harvard GSD), Renee Sieber (McGill)	Stephen Ervin
3:50 PM	4:00 PM	0:10	*Coffee Break*	CGIS South Concourse	
4:00 PM	5:20 PM	1:20	Panel 4: Geography, Civic Engagement, and the Future of Data Science - This final panel will discuss the broad theoretical, conceptual, and applied opportunities of data science for the discipline of geography and more generally for civic life.	Jessica Block (UCSD), Chris Cappelli (Esri), Robert Chen (Columbia), Krzysztof Janowicz (UCSB), Diana Sinton (UCGIS)	Matt Wilson
5:20 PM	5:25 PM	0:05	Poster Awards	Jason Ur	Jeff Blossom
5:25 PM	5:40 PM	0:15	**Closing Remarks - Convergence of Data Science and GIScience**	David DiBiase (Esri) and Matt Wilson (UKY)	Jason Ur
	Registration:	http://gis.harvard.edu/events/conferences/			
	Hashtag:	#harvardgis		*Last updated on:*	*4/17/2018*