David Ayman Sham ☑ aymans@acm.org		.D. 1 (415) 935-3514		O	••	0	in	• 01	¥			
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EDUCATION 2001	Dh D	Northwestern II	niversity D	actor of Philos	anhu Cai	moutor	Ccionco					
2001-2005 1996-1999		Ph.D. Northwestern University, Doctor of Philosophy, Computer Science. The University of Most Florida Masters of Science Computer Science										
1991-1996	M.S. B.S.	M.S. The University of West Florida , <i>Masters of Science</i> , Computer Science. B.S. The University of West Florida , <i>Bachelor of Science</i> , Computer Science.										
1771-1770	D.3.	The University C	i west rtori	iua, Dacrielui u	JUENCE	e, Comp	uter Scie	iice.				
EXPERIENCE												
8/1 – prese	ent Al	Consultant										
		Visiting Scholar, NAl Expert, Kantar	•		versity of A	rtificial Ir	ntelligence).				
7/17 – prese	rch) 1 (CWI) , <i>Scienti</i>	fic Advis	<i>or</i> Amst	erdam I	Vetherlai	nds (Rer	note)					
4/21-3/25									ios (itei	note).		
1/21 3/23	4/21-3/25 Toyota Research Institute (TRI) , Staff Research Scientist, Los Altos, California. • Leading research creating interventions for decreasing CO ₂ output.											
 Creating Human centered interfaces for BEV & PHEV driving and charging coaching. 												
8/20-12/2	0 Ro	 Architect and built data science platform for CAN300 vehicle telemetry. Rochester Institute of Technology, Adjunct Instructor, Rochester, New York (Remote). 										
7/17-6/20		Palo Alto Laborat	_					•	•			
7/17 0/20	1.7	Led research in VI			ich Scien	<i>11.131</i> , 1 at	.0 /1110 C	utiioiiiu.				
		 Applied research 										
8/16-7/17	Co	 Engineered Edge- ntrum Wiskunde & 								š.		
0/10 //1/	CCI	Built technology f							.itaiius.			
		 Led team of 7 res 	earchers plus co	ollaborations with	BYBORRE	fashion a	nd Clever°	Frank desig				
4/12-4/16	EI;	 Won Silver European Design Award 2017, BNO Infographics Jaarprijs Honorable Mention, FWA June 25 2017. Flickr & Yahoo Labs, Director of Research, San Francisco Bay Area, California. 										
4/12-4/10	FU	Built cross-function							Science,	AI, UXR, and	d Product.	
		Launched feed red	commendation	engine (test result	s showed	$\geq 2 imes$ lif						
		Led research at Fl		•		latform.						
7/06-4/12	Yal	 Cross-managed properties hoo Labs, Scientist 				L						
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		 Bootstrapped research in synchronous and second screen interactions. 										
2/14 5/14	N.	Launched Zync (sy						'00k MAUs	via stealt	h launch.		
2/14-5/14	Na	National University of Singapore, Senior Research Fellow, (Sabbatical). • Led research group on social and ubiquitous apps for connected trail experiences.										
		 Build mobile app 	that received N	lational Heritage B	Board Reco	gnition an	d Funding					
8/05-6/06	Int	elligent Informati					n Unive	rsity. Eva	nston, I	llinois.		
		Led architecture of Built social asynch				eporting.						
12/99-8/01	NA	SA Ames Research				rs Explo	ration, N	offett Fi	eld, Cal	ifornia.		
		 Led UX for CMap1 	Tools: a diagram	nmatic knowledge	modeling a	and sharir	ng toolkit.					
161DE146 CED146E												
ACADEMIC SERVICE 6/24-preser	nt ACN	1 CHI , General Cocl	hair (2026 B.	arcelona)								
1/21 – preser		1 CHI , Steering Con	•	•								
1/21-5/22		ACM CHI, Technical Program Co-chair (2022 New Orleans)										
		Designed & ran firs	t fully hybrid C		0.1005)							
1/19-1/21	ACM	1 SIGCHI , VP of Ope										
		Designed progressiOversaw a half mill										
		 Led team of 9 volur 	nteers and 8 hir	red contractors.			_			_		
7/18-11/19		ACM Computer Support Cooperative Work and Social Computing , <i>Technical Papers Co-Chair</i> Austin TX.										
5/17-6/17	ACM	1 Creativity and Co	gnition, <i>Ger</i>	neral Co-Chair,	Singapoi	re.						
TEACHING												
	الم ٨	net Drofosse /202	0)									
Rochester Institute of	-	Adjunct Professor, (2020) Experience Design for Games & Media (IGME-236),										
		ol of Interactive Ca			,							

School of Interactive Games and Media

National Visiting Studio Professor. (2014)

Technology

University of Singapore

Digital Wellness for Children, School of Design & Environment (Advised Student Projects in Studio, Gave Design Critiques)

Visiting Lecturer. (2014)

Data Visualization, Communications & New Media (Guest Lecture and ran class project on Geographic Photo Visualization)

Visiting Lecturer. (2014)

Introduction to Communications, New Media & Society,
Communications & New Media
(Guest lecture on Digital Privacy and Expectation)

Northwestern University

Adjunct Professor. (2005)

News and News Media, Medill School of Journalism.

Teaching Assistant. (2002-2004)

Semantics & Natural Language Understanding

Dr. Larry Birnbaum

Teaching Assistant. (2003–2004)

Practicum in Intelligent Information Systems

Dr. Kristian Hammond

Pensacola **I**

Instructor. (1996-1999)

State College

Computer Graphics I, II, & III (revised department syllabus),

Multimedia Seminar (wrote department syllabus).

The University of West Florida

Instructor. (1998–1999)

Computer Graphics Applications.
(wrote department syllabus)

Teaching Assistant. (1996–1997) *Introduction To Artificial Intelligence.*

Dr. Ken Ford (1996) & Dr. Patrick Hayes (1997). Contest Organizer for Lego Robotics Competition.

JOURNAL ARTICLES

- R. Krishna, Y. Zhu, O. Groth, J. Johnson, K. Hata, J. Kravitz, S. Chen, Y. Kalantidis, L.-J. Li, D. A. Shamma, M. S. Bernstein, and L. Fei-Fei. Visual genome: Connecting language and vision using crowdsourced dense image annotations. *International Journal of Computer Vision*, 123(1):32–73, 2017
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- B. Thomee, I. Arapakis, and D. A. Shamma. Finding social points of interest from georeferenced and oriented online photographs. *ACM Trans. Multimedia Comput. Commun. Appl.*, 12(2), jan 2016
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- D. A. Shamma. Autonomous expressionism: a framework for installation directed network arts. *International Journal of Arts and Technology*, 2(1):62–81, 2009
- C. Albrecht-Buehler, B. Watson, and D. A. Shamma. Visualizing live text streams using motion and temporal pooling. IEEE
 Computer Graphics and Applications, pages 52–59, 2005

- A. J. Cañas, K. M. Ford, J. Coffey, T. Reichherzer, R. Carff, D. A. Shamma, and M. Breedy. Herramientas para construir y
 compartir modelos de conocimiento basados en mapas conceptuales. Revista de Informática Educativa, 13(2):145–158,
 2000
- C. Turner, D. A. Shamma, and S. Dobbs. Things that help us think: Mobile robots in ai education. In *IEEE Transactions on Education*, volume CD-ROM Supplement Edition. IEEE Computer Society, 1998

CONFERENCE PUBLICATIONS

- **2025** A. L. S. Filipowicz, D. A. Shamma, V. Mohanty, and C. L. Hogan. Demystifying co2: lessons from nutrition labeling and step counting, 2025
- 2024 J. Fang, N. Arechiga, K. Namikoshi, N. Bravo, C. Hogan, and D. A. Shamma. On llm wizards: Identifying large language models' behaviors for wizard of oz experiments. In *Proceedings of the 24th ACM International Conference on Intelligent Virtual Agents*, IVA '24, New York, NY, USA, 2024. Association for Computing Machinery
 - S. M. Lee-Kan, A. L. S. Filipowicz, N. S. Bravo, C. Hogan, and D. A. Shamma. Drivestats: a mobile platform to frame effective sustainable driving displays. In *Adjunct Proceedings of the 26th International Conference on Mobile Human-Computer Interaction*, MobileHCI '24 Adjunct, New York, NY, USA, 2024. Association for Computing Machinery
 - T. Röggla, D. A. Shamma, J. R. Williamson, I. Viola, S. Rossi, and P. Cesar. A platform for collecting user behaviour data during social vr experiments using mozilla hubs. In *Proceedings of the 16th International Workshop on Immersive Mixed* and Virtual Environment Systems, MMVE '24, page 4144, New York, NY, USA, 2024. Association for Computing Machinery
 - K. Namikoshi, A. Filipowicz, D. A. Shamma, R. Iliev, C. L. Hogan, and N. Arechiga. Using Ilms to model the beliefs and preferences of targeted populations, 2024
 - K. Namikoshi, D. A. Shamma, R. Iliev, J. Fang, A. Filipowicz, C. L. Hogan, C. Wu, and N. Arechiga. Leveraging language models and bandit algorithms to drive adoption of battery-electric vehicles, 2024
- **2023** A. L. S. Filipowicz, N. S. Bravo, R. Iliev, V. Mohanty, C. C. Wu, and D. A. Shamma. Promoting sustainable charging through user interface interventions. In *Proceedings of the 15th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*, AutomotiveUI '23, page 267279, New York, NY, USA, 2023. Association for Computing Machinery
 - V. Mohanty, A. L. S. Filipowicz, N. S. Bravo, S. Carter, and D. A. Shamma. Save a tree or 6 kg of co2? understanding effective carbon footprint interventions for eco-friendly vehicular choices. In *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems*, CHI '23, New York, NY, USA, 2023. Association for Computing Machinery
 - A. Filipowicz, S. Carter, N. Bravo, R. Iliev, S. Hakimi, D. A. Shamma, K. Lyons, C. Hogan, and C. Wu. Visual elements and
 cognitive biases influence interpretations of trends in scatter plots, 2023
- **2022** N. K. Alghamdi, D. A. Shamma, and J. S. Shamma. Analyzing the passivity of the human decision making rule in a congestion game experiment. In *2022 American Control Conference (ACC)*, pages 4826–4831, 2022
 - V. Mohanty, A. L. S. Filipowicz, N. S. Bravo, R. Iliev, S. Carter, and D. A. Shamma. Pick your carbon: User perceptions
 of equivalencies for carbon emissions when selecting rideshares. In Adjunct Proceedings of the 14th International
 Conference on Automotive User Interfaces and Interactive Vehicular Applications, AutomotiveUI '22, page 4852, New
 York, NY, USA, 2022. Association for Computing Machinery
 - J. R. Williamson, J. O'Hagan, J. A. Guerra-Gomez, J. H. Williamson, P. Cesar, and D. A. Shamma. Digital proxemics: Designing social and collaborative interaction in virtual environments. In *Proceedings of the 2022 CHI Conference on Human Factors* in *Computing Systems*, CHI '22, New York, NY, USA, 2022. Association for Computing Machinery
 - D. A. Shamma, M. L. Lee, A. L. S. Filipowicz, L. Denoue, K. Glazko, K. Murakami, and K. Lyons. Ev life: A counterfactual
 dashboard towards reducing carbon emissions of automotive behaviors. In 27th International Conference on Intelligent
 User Interfaces, IUI '22 Companion, page 4649, New York, NY, USA, 2022. Association for Computing Machinery
 - A. L. Filipowicz, C. C. Wu, M. L. Lee, D. A. Shamma, S. Hakimi, S. Carter, R. Iliev, T. Harinen, E. Sumner, and C. Hogan.
 Familiarity plays a unique role in increasing preferences for battery electric vehicle adoption. In *Proceedings of the Annual Meeting of the Cognitive Science Society*, volume 44, 2022
- 2021 J. Williamson, J. Li, V. Vinayagamoorthy, D. A. Shamma, and P. Cesar. Proxemics and social interactions in an instrumented virtual reality workshop. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems*, CHI '21, New York, NY, USA, 2021. Association for Computing Machinery
 - M. Warren, D. A. Shamma, and P. Hayes. Knowledge engineering with image data in real-world settings. In *Proceedings*of the AAAI 2021 Spring Symposium on Combining Machine Learning and Knowledge Engineering (AAAI-MAKE 2021),
 Sanford university, Palo Alto, California, USA, March 2021. AAAI

- **2020** A. S. Gill, S. Cabrero, P. Cesar, and D. A. Shamma. Ai at the disco: Low sample frequency human activity recognition for night club experiences. In *Proceedings of the 1st International Workshop on Human-Centric Multimedia Analysis*, HuMA'20, page 2129, New York, NY, USA, 2020. Association for Computing Machinery
 - J. Qian, D. A. Shamma, D. Avrahami, and J. Biehl. Modality and depth in touchless smartphone augmented reality interactions. In ACM International Conference on Interactive Media Experiences, IMX '20, page 7481, New York, NY, USA, 2020. Association for Computing Machinery
 - D. A. Shamma, T. Dunnigan, and L. Kennedy. Automatic photo to ideophone manga matching. *CoRR*, abs/2006.06165, 2020
- 2019 D. A. Shamma, J. Marlow, and L. Denoue. Interacting with smart consumer cameras: Exploring gesture, voice, and ai control in video streaming. In *Proceedings of the 2019 ACM International Conference on Interactive Experiences for TV and Online Video*, TVX '19, pages 137–144, New York, NY, USA, 2019. ACM
 - D. A. Shamma, T. Dunnigan, Y. Tjahjadi, and J. Doherty. Visualizing gaze presence for 360 cameras. In Adjunct Proceedings
 of the 2019 ACM International Conference on Interactive Experiences for TV and Online Video, TVX '19. ACM, 2019
 - S. Bakhshi, L. Kennedy, E. Gilbert, and D. A. Shamma. Filtered food and nofilter landscapes in online photography: The
 role of content and visual effects in photo engagement. In *Proceedings of the International AAAI Conference on Web*and Social Media, volume 13, pages 80–90, 2019
- **2018** J. Qian, L. Denoue, J. Biehl, and D. A. Shamma. Al for toggling the linearity of interactions in AR. In *Proceedings of the 2018 Conference on Artificial Intelligence and Virtual Reality*, AIVR '18. IEEE, 2018
 - M. Cooper, J. Zhao, C. Bhatt, and D. A. Shamma. Moocex: Exploring educational video via recommendation. In *Proceedings*of the 2018 ACM on International Conference on Multimedia Retrieval, ICMR '18, pages 521–524, New York, NY, USA,
 2018. ACM
 - S. Barros, J. Jansen, P. Cesar, T. Röggla, and D. A. Shamma. Designing the club of the future with data: A case study on collaboration of creative industries. In *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems*, CHI EA '18, pages CS06:1–CS06:9, New York, NY, USA, 2018. ACM
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- **2017** S. Chancellor, Y. Kalantidis, J. A. Pater, M. De Choudhury, and D. A. Shamma. Multimodal classification of moderated online pro-eating disorder content. In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*, CHI '17, pages 3213–3226, New York, NY, USA, 2017. ACM
 - S. Cabrero, J. Jansen, T. Röggla, J. A. Guerra-Gomez, D. A. Shamma, and P. Cesar. Cwi-ade2016 dataset: Sensing nightclubs through 40 million ble packets. In *Proceedings of the 8th ACM on Multimedia Systems Conference*, MMSys'17, pages 181–186, New York, NY, USA, 2017. ACM
- **2016** J. A. Guerra-Gomez, C. Boulanger, S. Kairam, and D. A. Shamma. Identifying best practices for visualizing photo statistics and galleries using treemaps. In *Proceedings of the International Working Conference on Advanced Visual Interfaces*, AVI '16, pages 60–63, New York, NY, USA, 2016. ACM
 - C. Boulanger, S. Bakhshi, J. J. Kaye, and D. A. Shamma. The design, perception, and practice of tablet photography. In Proceedings of the 2016 ACM Conference on Designing Interactive Systems, DIS '16, pages 84–95, New York, NY, USA, 2016. ACM
 - Barry Brown, Frank Bentley, Saeideh Bakhshi, David A. Shamma. Ephemeral Photowork: Understanding the Mobile Social Photography Ecosystem. In *Proceedings of the 10th International AAAI Conference on Web and Social Media*, ICWSM '16. AAAI. 2016..
 - Lyndon Kennedy, David A. Shamma. How Content, Community, and Engagement Affect the Life Cycles of Online Photo Sharing Groups. In *Proceedings of the 10th International AAAI Conference on Web and Social Media*, ICWSM '16. AAAI. 2016.
 - S. Bakhshi, D. A. Shamma, L. Kennedy, Y. Song, P. de Juan, and J. J. Kaye. Fast, cheap, and good: Why animated gifs engage
 us. In *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*, CHI '16, pages 575–586, New
 York, NY, USA, 2016. ACM
 - S. Kairam, J. J. Kaye, J. A. Guerra-Gomez, and D. A. Shamma. Snap decisions?: How users, content, and aesthetics interact
 to shape photo sharing behaviors. In *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*,
 CHI '16, pages 113–124, New York, NY, USA, 2016. ACM

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- F. R. Bentley, J. J. Kaye, D. A. Shamma, and J. A. Guerra-Gomez. The 32 days of christmas: Understanding temporal intent in image search queries. In *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*, CHI '16, pages 5710–5714, New York, NY, USA, 2016. ACM
- D. A. Shamma, L. Kennedy, J. Li, B. Thomee, H. Jin, and J. Yuan. Finding weather photos: Community-supervised methods for editorial curation of online sources. In *Proceedings of the 19th ACM Conference on Computer-Supported Cooperative* Work & Social Computing, CSCW '16, pages 86–96, New York, NY, USA, 2016. ACM
- 2015 J. Bernd, D. Borth, C. Carrano, J. Choi, B. Elizalde, G. Friedland, L. Gottlieb, K. Ni, R. Pearce, D. Poland, K. Ashraf, D. A. Shamma, and B. Thomee. Kickstarting the commons: The yfcc100m and the yli corpora. In *Proceedings of the 2015 Workshop on Community-Organized Multimodal Mining: Opportunities for Novel Solutions*, MMCommons '15, pages 1–6, New York, NY, USA, 2015. ACM
 - K. Cheng, L. He, X. Meng, D. A. Shamma, D. Nguyen, and A. Thangapalam. Cozymaps: Real-time collaboration on a shared map with multiple displays. In *Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services*, MobileHCI '15, pages 46–51, New York, NY, USA, 2015. ACM
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 online social media. In *Proceedings of the 24th International Conference on World Wide Web*, WWW '15, pages 549–559,
 Republic and Canton of Geneva, Switzerland, 2015. International World Wide Web Conferences Steering Committee
 - S. Bakhshi, D. A. Shamma, L. Kennedy, and E. Gilbert. Why we filter our photos and how it impacts engagement. In *Proceedings of the 9th International AAAI Conference on Web and Social Media*, ICWSM '15. AAAI, 2015
 - S. Bakhshi, P. Kanuparthy, and D. A. Shamma. Understanding online reviews: Funny, cool or useful? In *Proceedings of the* 18th ACM Conference on Computer Supported Cooperative Work & Social Computing, CSCW '15, pages 1270–1276, New York, NY, USA, 2015. ACM
- **2014** B. Thomee, J. G. Moreno, and D. A. Shamma. Who's time is it anyway?: Investigating the accuracy of camera timestamps. In *Proceedings of the ACM International Conference on Multimedia*, MM '14, pages 909–912, New York, NY, USA, 2014. ACM
 - S. Bakhshi, P. Kanuparthy, and D. A. Shamma. If it is funny, it is mean: Understanding social perceptions of yelp online reviews. In *Proceedings of the 18th International Conference on Supporting Group Work*, GROUP '14, pages 46–52, New York, NY, USA, 2014. ACM
 - Y. Zhang, R. Zimmermann, L. Zhang, and D. A. Shamma. Points of interest detection from multiple sensor-rich videos in geo-space. In *Proceedings of the ACM International Conference on Multimedia*, MM '14, pages 861–864, New York, NY, USA, 2014. ACM
 - S. Bakhshi, D. A. Shamma, and E. Gilbert. Faces engage us: Photos with faces attract more likes and comments on instagram. In *Proceedings of the 32Nd Annual ACM Conference on Human Factors in Computing Systems*, CHI '14, pages 965–974, New York, NY, USA, 2014. ACM
 - J. J. Kaye, M. McCuistion, R. Gulotta, and D. A. Shamma. Money talks: Tracking personal finances. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, CHI '14, pages 521–530, New York, NY, USA, 2014. ACM
 - Lyndon Kennedy and David A. Shamma. "Unknown Unknowns in Data and Discovery". Data Design for Personalization:
 Current Challenges and Emerging Opportunities (D2D 2014), KDD Workshop, New York, February 2014.
- **2013** P. Groth and D. A. Shamma. Spinning data: Remixing live data like a music DJ. In *CHI '13 Extended Abstracts on Human Factors in Computing Systems*, CHI EA '13, pages 3063–3066, New York, NY, USA, 2013. ACM
- **2012 T** J. Cortez, D. A. Shamma, and L. Cai. Device communication: A multi-modal communication platform for internet connected televisions. In *EuroITV '12: Proceedings of the 10th international interactive conference on Interactive TV & Video*, July 2012 (Best Paper Nominated)
 - D. A. Shamma, L. Kennedy, and E. F. Churchill. Watching and talking: Media content as social nexus. In *Proceeding of the 2nd ACM international conference on Multimedia Information Retrieval*, Hong Kong, June 2012. ACM
- **2011** D. A. Shamma, L. Kennedy, and E. F. Churchill. Viral actions: Predicting video view counts using synchronous sharing behaviors. In *ICWSM 11: Proceedings of the International Conference on Weblogs and Social Media Data*, Barcelona, Spain, July 2011. AAAI Press

- D. A. Shamma, L. Kennedy, and E. F. Churchill. Peaks and persistence: modeling the shape of microblog conversations.
 In Proceedings of the ACM 2011 conference on Computer supported cooperative work, CSCW '11, pages 355–358, New York, NY, USA, 2011. ACM
- M. de Sá, J. Antin, D. Shamma, and E. F. Churchill. Mobile augmented reality: video prototyping. In *Proceedings of the* 2011 annual conference extended abstracts on Human factors in computing systems, CHI EA '11, pages 1897–1902, New York, NY, USA, 2011. ACM
- J. Yew, D. A. Shamma, and E. F. Churchill. Knowing funny: Genre perception and categorization in social video sharing.
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- J. Yew and D. A. Shamma. Know your data: Understanding implicit usage versus explicit action in video content classification. In IS&T/SPIE Electronic Imaging, January 2011
- **2010** E. F. Churchill, O. Gooen, and D. A. Shamma. Augmented ethnography: designing a sensor-based toolkit for ethnographers. In *Proceedings of the 22nd Conference of the Computer-Human Interaction Special Interest Group of Australia on Computer-Human Interaction*, OZCHI '10, pages 416–417, New York, NY, USA, 2010. ACM
 - N. A. Diakopoulos and D. A. Shamma. Characterizing debate performance via aggregated twitter sentiment. In CHI '10:
 Proceedings of the 28th international conference on Human factors in computing systems, pages 1195–1198, New York, NY. USA. 2010. ACM
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 participatory installation. In *DIS '10: Proceedings of the 8th ACM conference on Designing interactive systems*, pages
 356–359, Århus, Denmark, 2010. ACM
 - D. A. Shamma, L. Kennedy, and E. F. Churchill. Tweetgeist: Can the twitter timeline reveal the structure of broadcast events? In CSCW Horizons, 2010
- **2009** D. A. Shamma, L. Kennedy, and E. F. Churchill. Tweet the debates: Understanding community annotation of uncollected sources. In WSM '09: Proceedings of the international workshop on Workshop on Social Media, Beijing, China, 2009. ACM (Best Paper Nominated)
 - D. A. Shamma, E. F. Churchill, N. Bobb, and M. Fukuda. Spinning online: a case study of internet broadcasting by djs. In
 C&T '09: Proceedings of the fourth international conference on Communities and technologies, pages 175–184, New
 York, NY, USA, 2009. ACM
- 2008 D. A. Shamma, M. Bastea-Forte, N. Joubert, and Y. Liu. Enhancing online personal connections through the synchronized sharing of online video. In CHI'08 extended abstracts on Human factors in computing systems, pages 2931–2936. ACM, 2008
- **2007** Y. Liu, D. A. Shamma, P. Shafton, and J. Yang. Zync: the design of sychnronized video sharing. In *DUX 2007: Proceeding* of the 3rd conference on Designing for User Experience, Chicago, IL, USA, November 2007
 - D. A. Shamma, R. Shaw, P. L. Shafton, and Y. Liu. Watch what i watch: using community activity to understand content. In MIR '07: Proceedings of the international workshop on Workshop on multimedia information retrieval, pages 275–284, New York, NY, USA, 2007. ACM
- **2006** S. H. Owsley, K. J. Hammond, D. A. Shamma, and S. Sood. Buzz: telling compelling stories. In *MULTIMEDIA '06: Proceedings of the 14th annual ACM international conference on Multimedia*, pages 261–268, New York, NY, USA, 2006. ACM
 - S. H. Owsley, K. J. Hammond, and D. A. Shamma. Computational support for compelling story telling. In *ACE '06: Proceedings of the 2006 ACM SIGCHI international conference on Advances in computer entertainment technology*, page 83, New York, NY, USA, 2006. ACM
 - N. D. Nichols, K. J. Hammond, D. A. Shamma, and S. H. Owsley. Believable performance agents for interactive conversations. In ACE '06: Proceedings of the 2006 ACM SIGCHI international conference on Advances in computer entertainment technology, page 43, New York, NY, USA, 2006. ACM
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 - S. Owsley, D. A. Shamma, K. J. Hammond, S. Bradshaw, and S. Sood. The association engine: a free associative digital improviser. In *Proceedings of the 12th International Conference on Multi-Media*. ACM Press, 2004

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- **2003** V. Setlur, D. A. Shamma, K. J. Hammond, and S. Sood. Towards a non-linear narrative construction. In *Proceedings of IUI Conference*, page 329, Miami, Florida USA, January 2003. Intelligent User Interfaces, ACM
- **1998** J. F. Kolen, D. A. Shamma, T. Reichherzer, and T. Flueharty. An ai approach to computer assisted tomography. In *Proceedings* of the Eleventh International Florida Artificial Intelligence Research Society Conference, page 44. AAAI Press, 1998
- **1996** C. Turner, K. Ford, P. Hayes, D. Shamma, and R. Manseur. Robots in education. In *Proceedings of the US-Japan Graduate Student Forum in Robotics, Osaka, Japan*, 1996

EDITED JOURNALS and PROCEEDINGS

- S. Barbosa, C. Lampe, C. Appert, D. A. Shamma, S. Drucker, J. Williamson, and K. Yatani, editors. CHI '22: Proceedings
 of the 2022 CHI Conference on Human Factors in Computing Systems, New York, NY, USA, May 2022. Association for
 Computing Machinery
- M. D. Choudhury, M. K. Lee, H. Zhu, and D. A. Shamma. Introduction to this special issue on unifying human computer interaction and artificial intelligence. *Human–Computer Interaction*, 35(5-6):355–361, 2020
- P. Cesar, S. Fernández, M. Montagud, L. D'Acunto, A. Kelliher, D. A. Shamma, V. Vinayagamoorhy, and A. Rostami, editors.
 IMX '20: ACM International Conference on Interactive Media Experiences, New York, NY, USA, 2020. Association for Computing Machinery
- A. Lampinen, D. Gergle, and D. A. Shamma, editors. *Proceedings of the ACM on Human-Computer Interaction*, volume 3, New York, NY, USA, November 2019. Association for Computing Machinery
- C&C '17: Proceedings of the 2017 ACM SIGCHI Conference on Creativity and Cognition, New York, NY, USA, 2017. Association for Computing Machinery

BOOK CHAPTERS

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- D. A. Shamma and Y. Liu. Social Interactive Television: Immersive Shared Experiences and Perspectives, chapter Zync with Me: Synchronized Sharing of Video through Instant Messaging, pages 273–288. Information Science Publishing, Hershey, PA, USA, 2009
- David A. Shamma and Bryan Pardo. In J. Shen, J. Shepherd, B. Cui, and L. Liu, editors. *Intelligent Music Information Systems: Tools and Methodologies*, chapter MusicStory: a Proactive and Hybrid Approach to Autonomous, Personalized Music Video Creation. Idea Group Inc., 2007

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- A. L. Kun, N. Kumar, and D. A. Shamma. Sigchi conferences: Online. Interactions, 28(2):108109, mar 2021
- H. Mentis, D. A. Shamma, A. Kun, N. Kumar, J. R. Williamson, and R. Mandryk. Sigchi's quick response in a time of crisis. *Interactions*, 27(4):104ff, jul 2020
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• D. A. Shamma and E. Park. AAAI 2000 Conference Summary. Al Magazine, 21(4):11, 2000

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- A. H.-C. Hwang, M. S. Bernstein, S. S. Sundar, R. Zhang, M. Horta Ribeiro, Y. Lu, S. Chang, T. Wu, A. Yang, D. Williams, J. S. Park, K. Ognyanova, Z. Xiao, A. Shaw, and D. A. Shamma. Human subjects research in the age of generative ai: Opportunities and challenges of applying llm-simulated data to hci studies. In *Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems*, CHI EA '25, New York, NY, USA, 2025. Association for Computing Machinery
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- J. Li, V. Vinayagamoorthy, J. Williamson, D. A. Shamma, and P. Cesar. Social vr: A new medium for remote communication and collaboration. In *Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems*, CHI EA '21, New York, NY, USA, 2021. Association for Computing Machinery
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- An Introduction to Arts and Digital Culture inside ACM Multimedia. MM 2014. David A. Shamma and Daragh Bryne.
- P. Cesar, D. A. Shamma, M. Cooper, and A. Kelliher. 3rd international workshop on socially-aware multimedia (sam'14). In Proceedings of the 22Nd ACM International Conference on Multimedia, MM '14, pages 1259–1260, New York, NY, USA, 2014. ACM
- B. Hecht and D. A. Shamma. A crash course in modern geography for hci researchers and practitioners. In CHI '14
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- Detection, Representation, and Exploitation of Events in the Semantic Web. ISWC 2013. Marieke Van Erp, Laura Hollink, Willem Robert Van Hage, Raphael Troncy, David A. Shamma.
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- Illumination, Movement, Interaction: Interactive Dance in Theory and Practice Renata Sheppard & David A. Shamma. Uki, New South Wales, Austraila. 6/21/2013. http://www.tekstar.tv/interactive-dance.html
- Detection, Representation, and Exploitation of Events in the Semantic Web. ISWC 2012. Marieke Van Erp, Laura Hollink,
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INVITED TALKS and PANELS

- "Understanding and Building End-to-End Human-Centered Al Systems" Keynote: Deep Learning Indaba, Ghana, September 2023.
- "People, Patterns, & Programs: How User Experience and Interaction Research Will Empower Artificial Intelligence."
 Keynote: IrisX 2020, Cairo Egypt, Februrary 22, 2020.
- "Good Roles, Bad Actors, and AI", AI for Mankind, Million AI Startups, November 27, 2018.
- "Al as a promise. Al as a practice. Al as HCI."
 - Invited Talk: Humanizing Al, University of Stockholm, July 15, 2018.
 - Keynote: The 15th European Conference on Computer-Supported Cooperative Work, Sheffield (UK), September 01 2017
- "Humans, Data, & AI". Keynote talk at the Intelligent Valley Conference, Nanjing, China, November 1, 2016.
- Images and Archives. Internet Archive Leader's Forum. 10/2014.
- How to see 1 million photos. Information Visualization Lecture. National University of Singapore. 4/2014.
- Media Privacy and Expectation. Social Computing Lecture. National University of Singapore. 2/2014.
- · Media, Community and the Social Photograph.
 - Cornell Tech.
 - Singapore Data Science Meetup.
 - Singapore Management University.
 - National University of Singapore.
 - CMU.
 - Georgia Tech.
 - UC Irvine. 1/10/2014.
- Digital Arts Symposium (Panel) The Konvergence: Tek*. Barry Hill, Grayson Cooke, Andrew Burrell, Renata Sheppard, David A. Shamma. Byron Bay, New South Wales, Australia. 6/20/2013.
- Language and the Digital Archive (Panel) Digital Inquiry: Forms of Knowledge in the Age of New Media. Geoff Nunberg (ISchool, UCB), Mairi McLaughlin (French, UCB) David A. Shamma (Yahoo! Research) Moderator: David Bates (Rhetoric, UCB) 4/28/2012.
- Social Justice in the Age of Big Data (Panel) Swinging and Flowing: Inclusion and Diversity in the Age of Data. Omoju
 Miller (UC Berkeley Engineering), Jabari Mahiri (UC Berkeley Department of Education), Victoria Robinson (UC Berkeley
 American Cultures), Shannon Spanhake (City of San Francisco), David A. Shamma (Yahoo! Research). Moderator: Charles
 Henry (Chair, African American Studies, UC Berkeley). 4/26/2012.
- Social Substrates: People and the Data They Make.
 - Dean's Lecture, School of Information, University of California. 2/29/2012.
 - Computer Science Seminar, Drew University. 4/2/2012.
 - School of Communications and Information, Rutgers University. 4/4/2012.
- Social Media Platforms: Future Trends and Technologies (Panel) with Google+ (Timothy Jordan), Facebook (Don Faul), and Yahoo! (David A. Shamma) at the Office of Naval Research (ONR)'s Social Media Conference: Current and Emerging Technology and Applications in Government and Industry. December 13–15, 2011. San Jose, CA.
- Recommending from Actions, Not Content: New Approaches in Social Recommendation. Shamma D. A. Keynote. In I. Guy,
 L. Chen, and M. X. Zhou. 2nd international workshop on social recommender systems. In *Proceedings of the ACM 2011 conference on Computer supported cooperative work*, CSCW '11, New York, NY, USA, 2011. ACM
- Staying together: an exploration of synchronous connected systems. Shamma D. A.

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- Multimedia Information Class Lecture, iSchool, Berkeley. Spring 2011.
- HCI Seminar, Stanford. 1/12/2011.
- iSchool Seminar Series, UT Austin. 11/12/2010.
- CS Seminar Series, Texas A&M. 11/11/2010.
- HCI Lecture Series, CSAIL. MIT. 10/8/2010.
- GVU Brown Bag. Georgia Tech. 9/16/2010.
- Data, Information, Transformation: The Role of Social Media in Protest. Generating Protest Art. Feburary, 25th, 2011.
 Berkeley Center for New Media. Berkeley, California.
- A movie and a chat: understanding conversation and real-time video
 - Computer Science Seminar, University of Amsterdam/CWI. 11/10/2009.
 - Lecture Series, FXPal. 11/06/2009.
- Synergies Between Search and Social Metrics, MediaX Workshop, Stanford University. 8/05/2009. Shamma D. A.
- (we need to talk): conversations, media, and social relationships.
 - HCI Seminar, Department of Computer Science, UIUC. 04/14/09.
 - Cognitive Systems Group Seminar, Department of Electrical Engineering and Computer Science, Northwestern University. 04/13/09.
- Spinning Online: A Case Study of Internet Broadcasting by DJs, CS Colloquium, Pomona College. 11/2008. Shamma D. A.
- Ssshh! I'm watching this: conversational behaviors around real-time video. Union College. 4/8/2010. Shamma D. A.
- Social Media in the Year 2020. ACM WWW 2008, Beijing China. Jain, R., Nack, F., Shamma, D. A., Seligmann, D., Davis, M., and Adamic, L.
- Remix, Art, Technology, and Culture. Art Institute of ChicagoDepartment of Film and Media. 2007. Shamma D. A., Shepard,
 R.
- The Web as Artistic Medium. Institute for Human and Machine Cognition. Pensacola, Florida.
- A Life without Friction: Tales from the InfoLab. ACM IUI 2003. San Francisco, CA. Hammond K., Birnbaum, L., Budzik, J., Crossen, A. Shamma, D. A., Setlur, V.
- Concept Mapping as Classroom Scientific Collaboration. Oregon Science Teacher Association, Annual Summit. With R. D. Gus Fredrick. Oregon Public Education Network. October 2000

AWARDED FUNDING

- NWO Humanities—Knowledge Innovation Mapping (KIEM). Project Cairo: an intelligent soft-robotic jacket. CWI + AMOLF
 + ByBorre (15K Euros). October 2017 March 2018. (PI)
- Mobile Application for Singapore Heritage Trails, National Heritage Board, Singapore, \$205.44K SGD (Jan 2015 April 2016), National heritage Board. (Co-wrote as Key Personnel during 2014 Sabbatical.)

SELECTED AWARDED PATENTS

(from 30 total awarded, 20+ pending)

- C. Jones, D. Shamma, and E. Churchill. Synchronization of advertisment display updates with user revisitation rates, July 8 2014. US Patent 8,775,945
- C. Jones, E. Churchill, and D. Shamma. Tutorial systems for code creation and provenance tracking, Jan. 21 2014. US Patent 8,635,584
- D. Shamma and P. Shafton. Method and system for media landmark identification, Mar. 15 2011. US Patent 7,908,556
- M. Davis, D. Shamma, R. Martinez, C. Paretti, J. O'Sullivan, C. Higgins, and A. Athsani. Region and duration uniform resource identifiers (uri) for media objects, Dec. 27 2011. US Patent 8,086,700
- K. Weber, S. Tripodi, and D. Shamma. Harvesting of media objects from searched sites without a user having to enter the sites, May 10 2011. US Patent 7,941,416
- K. Weber, S. Tripodi, and D. Shamma. Harvesting of media objects from searched sites without a user having to enter the sites, Apr. 27 2010. US Patent 7,707,198

MEDIA COVERAGE

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- J. Singal. Science has determined which photo filters are the best. *New York Magazine: Science of Us*, May 2015. http://sciof.us/1Prea6r
- J. Fingas. Your photos are more popular when you use filters, according to yahoo. *Engadget*, May 2015. http://engt.co/1PreamO
- E. Zolfagharifard. The science of instagram success: Filtered photos are 21% more likely to be viewed—and warmer tones get more comments. DailyMail, May 2015. http://dailym.ai/1Pre8eN
- R. Lefebvre. We're all suckers for filtered photos. Cult of Mac, May 2015. http://bit.ly/1Prebas
- K. Leswing. This one simple trick will get more people to look at your photos. *International Buisness Times*, May 2015. http://bit.ly/1PreaDx
- B. Carson. Science can finally tell us which photo filter we should choose. Business Insider, May 2015. http://read. bi/1PreaTY
- J. Dove. Do photo filters really heighten viewer engagement? Yahoo's research says 'yes'. The Next Web, May 2015.
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- A. Yau. Need instagram attention? use a filter. What Mobile, May 2015. http://bit.ly/1PrebXT
- M. O'Beirne. Photos are more popular with filters. Click Online, May 2015. http://bit.ly/1JbuvfY
- M. Zhang. Filtered photos are 21% more likely to be viewed. *PetaPixel*, May 2015. http://bit.ly/1PreceC
- Yahoo and Flickr mix social computing, geolocation and computer vision to boost image recognition tech, The Next Web, Jackie Dove, November 28, 2014.
- Finding an image with an image and other feats of computer vision, Ars Technica, Megan Geuss, November 24, 2014.
- Yahoo, Flickr share how social is improving image recognition, search, ZDNet, Rachel King, November 22, 2014.
- Library of Congress: The Signal (Digital Preservation) Trevor Owens, August 25, 2014.
- ICSI Works With Yahoo Labs and Lawrence Livermore Lab to Offer Analytics Tools for Over 100 Million Flickr Images and Videos. Marie Williams, Reuters. July 3, 2014.
- On Instagram, Faces Are 38% More Likely to Get 'Likes' Epoch Times. March 25, 2014.
- Show Your Face: How Brands Use Faces to Boost Instagram Engagement SproutSocia. March 24, 2014.
- Instagram Photos With Faces Get 38% More Likes Mashable. March, 21, 2014.
- Want to Get More Likes and Comments on Instagram? Show Your Face., Alyssa Bereznak, AP, March, 21, 2014.
- ReadWriteWeb "How Developers Are Shaping the Future of Music." John Paul Titlow. 2/14/2012.
- hypebot "Clyde's Top Picks From SF Music Hack Day 2012." Clyde Smith. 2/13/2012.
- TechCrunch "Pizza Superiority Determined in Massive Geek Eating Binge." Michael Arrington. 12/19/2010.
- SF Gate "Social science meets computer science at Yahoo". 1/11/2010.
- TechCrunch "San Francisco Earthquakes Get Their Own Geolocated Twitter Account." MG Siegler. 1/9/2010.
- *TechRadar.com* "7 cool research projects from Yahoo." 3/3/2009.
- StartupMeme "Meebo Launches Meebo Rooms" 5/15/2007. (Zync cited in the article).
- Northwestern Alumni Magazine. "Cyberculture Connections." Fall 2005.
- Wired Magazine. NextFest.2005: The Wired World's Fair. 13(6):24. Insert Booklet.
- Chicago Magazine. "The Silicon Prairie Rides Again." June 2005.
- XBytes TV, International Channel. Art and Technology segment. October 26, 2004.
- International Herald Tribune. "Keyword art links images in novel ways", Matthew Mirapaul. June 19, 2004.
- New York Times. "Art unfolds through keyword search", Matthew Mirapaul. June 17, 2004.
- Daily Northwestern. "Picturing Every Word", Jackie Stewart. May 11, 2004.
- Northwestern Observer. "Imagination Environment connects words, images", May 6, 2004.

Chicago Sun-Times. "Psychedelic lights yield to Web-driven imagination", Michael Krauss. April 19, 2004.

ART EXHIBITS. INSTALLATIONS. AND PERFORMANCES

- Lóng Guāng. https://vimeo.com/69868449 2013. GLOdance, Tek*. Uki. New South Wales. Australia.
- the Light Dress. 2010. In Light. Richmond, North Carolina.
- · Graffiti Dance. 2009. Berkeley, California.
- Zync Video Sharing. Wired NextFest 2007. Los Angeles, California.
- News at Seven. Wired NextFest 2007. Los Angeles, California.
- Imagination Environment: David A. Shamma, Kristian Hammond.
 - Wired NextFest 2006. The Future of Communication. New York.
 - Wired NextFest 2005. The Future of Communication. Navy Pier, Chicago.
 - Emerging Technologies 2004. SIGGRAPH. Los Angeles, California.
 - Second City Chicago. 4/2004-6/2005. Piper's Alley. Chicago, Illinois.
- MusicStory: David A. Shamma, Bryan Pardo, Kristian Hammond.
 - ACM Multimedia 2005. Singapore.
 - Wired NextMusic 2005. The Vic Theather. Chicago, Illinois. Curated by Jeff Tweety.
- Buzz: Sara Owsley, Kristian Hammond, David A. Shamma.
 - Second City Chicago. 2005. Piper's Alley. Chicago, Illinois.
 - Chicago Improv Festibal. 2005. Athenaeum Theather. Chicago, Illinois.
 - Performing Imagination. 2004. "The Association Engine", Northwestern University.
- Handle with Care: Direct Mail and the American Dream: GirlCharlie, Sara Owsley, Kristian Hammond, David A. Shamma.
 An installation that immerses spectators in the language of hate, fear and greed found in thousands of pieces of direct mail sent from sweepstakes and right-wing political organizations, solicitations which are largely directed toward the elderly and new Americans. Associative-word technology generates a spontaneous soundtrack inspired by the mail's vocabular.
 - Performing Arts Chicago's PAC/edge: A Convergence of Chicago Artists. 2004. Athenaeum Theater. Chicago, Illinois.

Projects



EV Life/DriveStats. Created a mobile application as a research probe to present counterfactuals to individuals based on their driving habits. Research studies showed people would think more about carbon and potentially change their behaviors. The core iOS package is available as open source.



Redbull Playrooms. I lead the technology team at the Redbull Playrooms at the 2017 Amsterdam Dance Event coordinating research efforts between ByBorre (Fashion Designer), CWI (Computer Science Research) and RedBull (Event Organizer) to build wearables for the night club of the future. For more information, see the related research papers (above) and the summary video on Redbull TV (https://win.gs/2D1ZpZv).



Visual Genome. Collaboration with Fei-Fei Li and Michael Bernstein to build a dataset, a knowledge base, an ongoing effort to connect structured image concepts to language. http://visualgenome.org/



Yahoo Project Weather. Co-built algorithm to surface 1 million high quality weather images for app editorial.



YFCC100M & Multimedia Commons. Designed and delivered large scale social photography dataset of 100 million photos and videos—collaborating with researchers at ICSI and LLNL as well as Yahoo Academic Relations, Legal, and Privacy teams. http://mmcommons.org



Flickr. Architected and co-built Hadoop platform for Data Science and Computer Vision. Used by Scientists, Front-end engineering, Back-end engineering, and Product mangers. Built Photo Recommendations and Trending Tag algorithms that returned $2 \times -3 \times$ results against business KPIs.



Yahoo Shopping Taiwan. Co-built algorithm for social-visual product recommendations (+8.5% sales increase).



Open Source Projects. Contributed and/or active maintainer of several projects including: SIGCHI Document Formats (MEX and Word), pig-mode for Emacs, and others. https://github.com/ayman



Zync. A plugin for Yahoo! Messenger which enables the synchronous sharing of web video. http://bit.ly/hVyXcEhttp://bit.ly/oNTofV



Fire Eagle. Yahoo! Fire Eagle is a service that helps users share their location online with their friends and with other sites and services. Built in Ruby on Rails several components, including the API Explorer, co-built the mobile optimized pages, and helped write developer examples and content.



Inline Flickr Viewer. A Flickr photo and video viewer displayed inline in a Yahoo! Messenger conversation window.

• Karaoke Callout & VocalSearch. Adapted and optimized a query-by-humming system for mobile phone usage in a competitive singing game with a purpose. http://bit.ly/oLEj1H



interActor. Designed an interactive framework for a halfLife2 mod to support dynamic script based interactions for virtual actors. This includes the ability for virtual actors to autonomously find relevant information online as well as a user-centric dialog model for speech to text applications. http://bit.ly/nrORlj



Imagination Environment. Art installation which watches media (TV, DVD, Internet news feeds, blogs) and finds related images and media. A complementing suite of Information Retrieval tools were also built as a supporting software structure. http://bit.ly/r1FUZx

MusicStory. Projects popular association based related images of the lyric of a song in time to the audio's beat. http://bit.ly/oLEj1H



MediaPoint. An exploration in securely delivering media to network locations, targeted at WiFi hotspots. http://bit.ly/pSoOAQ



CMEX Mars NASA Ames Research Center with Geoff Briggs (ARC), Alberto Cañas (IHMC), et al. In a departure from previous digital educational outreach products CMEX Mars uses new browser technology developed at IHMC that center on the use of concept maps. NASA High School Educational Outreach. http://cmex.ihmc.us/

- IHMC CMap Tools with Alberto Cañas, Pat Hayes, et al. The IHMC Concept Mapping Software empowers users to construct, navigate, share, and criticize knowledge models represented as Concept Maps. The toolkit allows the users to build, and collaborate during the construction of concept maps with colleagues anywhere on the network, as well as, share and navigate through others' models distributed on servers throughout Internet. http://cmap.ihmc.us/
- System to Organize Representations in Meteorology (Storm-LK) with Ken Ford, Robert Hoffman, et al. The STORM-LK project was intended to illustrate the application of the principles of Human-Centered Computing (HCC). The domain of weather forecasting was selected for study, with the goal of creating a "cognitive prosthesis"—a computational system that leverages and extends human intellectual, perceptual, and collaborative capacities. http://bit.ly/nFcXry
- Survey Application Robust Templated Runtime Environment (SARTRE). Master's Project. Automatically deploy, administer, and collect survey data from computer-novice consumer panelists using hand held (Apple Newton & PalmOS) computers. Funded by Proctor and Gamble

PROFESSIONAL SERVICE

ACM SIGCHI

VP of Operations (2020–2021).

General Chair

- ACM Creativity and Cognition (2017).
- ACM CHI (2026).

Technical Program Co-Chair

- ACM MM (2013).
- ACM CSCW (2019).
- ACM CHI (2022).

Steering Committee

- ACM TVX (2014–2017).
- ACM Multimedia (2013-2016).
- ACM CHI (2021-present)

Editorial

- Co-Editor Arts & Digital Culture ACM SIGMM, Association for Computing & Machinery's Special Interest Group for Multimedia. (2/12-present)
- Curator, Multimedia XSEAD. XSEAD is an community platform for those working to advance engineering and science through design and the arts. (10/2012–6/2014)

Technical Program Committees

- ACM Creativity and Cognition: Papers Co-chair (2015).
- ACM CHI AC (2015).
- ACM CSCW AC (2015).
- ACM MultiMedia: Technical Program Co-Chair (2013).
- ACM SIGMM Interactive Arts & Culture, Co-Editor (2012-present).
- ACM Mulitmedia: Interactive Arts & Culture, Co-Chair (2011–2012).

Other Committees

- TVX Demos Chair (2014).
- ACM Creativity & Cognition: Workshops Chair (2013).
- ACM TOMCCAP ACM MM 2012 Best Papers & Best Student Papers Co-Editor.
- Elsevier's Entertainment Computing, Editorial Board Member, Section Editor for Interactive Television (2012)
- ACM MobileHCI Demos and Exhibitions Co-chair (2012).
- EurolTV Systems Track Co-chair (2012).
- ACM Mulitmedia Technical Demo Sessions Judge (2012).
- ACM WWW TPC Member (2010-2012).
- ACM Creativity & Cognition, Publicity Chair (2009).
- ACM JCDL TPC Member (2008).

Reviewer

- ACM Mulitmedia (2007-present).
- · AAAI Conference on Weblogs and Social Media (2008-present).
- ACM CHI (2008-present).
- ACM CSCW (2008-present).
- ACM WWW (2011-2012).
- TEI 2010.
- EuroITV (2008-2010).
- · NSF Merit Award Reviewer (2008).
- ACM IUI (2002-2005).

ADVISING/MENTORING

Post-docs

- John Alexis Guerra-Gomez, Yahoo Labs. (2015–2016)
- Yannis Kalantidis, Yahoo Labs. (2014–2016)
- Bart Thomée, Yahoo Labs, ACM 2016 MM Rising Star Recipient. (2013–2016)

Thesis Committees

- Jing-chao Fang, Computer Science, UC Davis, Ph. D. (2024)
- Song Mi Lee-Kan, Information Science, U. Michigan, Ph. D. (2024)
- Sanjay Kairam, Computer Science, Stanford, Ph. D. (2016)
- Saeideh Bakhshi, GVU, Georgia Tech, Ph. D. (2014)

Mattias Rost, (International Opponent). Swedish Institute of Computer Science and Mobile Life Centre. (2013)

Intern Supervision

- Jing-chao Fang, Computer Science, UC Davis, Ph. D. (2023)
- Song Mi Lee-Kan, Information Science, U of Michigan, Ph. D. (2023)
- Vikram Mohanty, Computer Science, Virginia Tech, Ph. D. (2023)
- Hu-Cheng Lee, Taiwan National University, M.S.. (2019)
- Jing Qian, Brown, Ph. D. (2018)
- Sanjay Kairam, Stanford, Ph. D. (2015)
- Vikas Kumar, GroupLens, U. Minnesota, Ph. D. (2015)
- Dan Tasse, CMU, Ph. D. (2015)
- Saeideh Bakhshi, GVU, Georgia Tech, Ph. D. (2013)
- Zach Toupes, Texas A&M, Ph. D. (2011)
- Jude Yew, School of Information, U. Michigan, Ph. D. (2010)
- Yiming Liu, iSchool, UC Berkeley, M. S. (2008)
- Marcello Bastéa-Forte, Computer Science, Stanford, M. S. (2008)
- Niels Joubert, Computer Science, Berkeley, B. S. (2008)
- Ryan Shaw, iSchool, UC Berkeley, Ph. D. (2007)

PROFESSIONAL MEMBERSHIPS

- ACM, Member (2001-present), Senior Member (2012), Distinguished (2016)
- AAAI (1997-2001, 2009-2012, 2016)
- IEEE (1997-2001, 2018)

AWARDS, HONORS, and OTHER ACTIVITIES

- ACM Oustanding Service Recognition. 2019.
- ACM Distinguished Member. 2016.
- Yahoo Master Inventor Award. 2015. 27 patents filed, 11 awarded.
- Yahoo CEO/Marissa Mayer Challenge, Team Winner. 2014.
- ACM Senior Member. 2012.
- the Reawakening. 2011. Physical Hack Day, Pervasive Computing, San Francisco, CA.
- May 2010 iSticks. Music Hackday San Francisco. Winner of 2 awards. http://bit.ly/rv0Fwx
- August 2005 Awarded 1st Dan, Kukkiwon (WTF) Taekwondo.
- 2004–2005 CS Chair's Advisory Committee, Northwestern University Graduate Student Advisor to the Department Chair Graduate Student Representative, Building Committee
- August 2004 Terminal Year Fellowship. Graduate School, Northwestern University.
- October 2001 Murphy Fellowship. Department of Computer Science, Northwestern University.
- May 2001 Intel ISEF 2001, International Science Fair Judge, EE/CS Division. San Jose, CA.
- March 2000 Synopsis, Santa Clara County California Science Fair Judge, Physics, 8th Grade Division.
- March 1999 Escambia/Santa Rosa County Florida Science Fair Judge, Computer Science, High School division.
- November 1998 Cinco Banderas NW Florida Annual Art Exhibition. haute leau, Digital Gelatin Silver Print. Judges Award Recipient.
- Spring 1998 Outstanding Graduate Student Award (Masters). Computer Science, College of Science and Technology. The University of West Florida.
- June 1997 Web Site Awarded Featured Academic Site by InterNIC.

• December 1995 Winner of Annual Lego Robot Competition, IHMC. (with Daniel Butler)