

# **New Faculty Profile**

**Assistant Professor** Nilda Sanchez-Rodriguez



**Assistant Professor**  
**Chief Architecture Librarian**

Nilda Sanchez-Rodriguez is Assistant Professor/Division Chief Librarian of the Architecture Library in the Bernard and Anne Spitzer School of Architecture Building at The City College of New York.

## **Education**

M.A., Urban Studies, Queens College, CUNY, 2013

M.L.S., Library Science, Queens College, CUNY, 2012

B.A., Liberal Arts, City College, CUNY, 2004

A.A.S., Business Management, City College, CUNY, 1997

## **Research Interests**

Architecture, Sustainability, Urban Design, and Landscape Architecture Librarianship

**Assistant Professor Huy T. Vo**



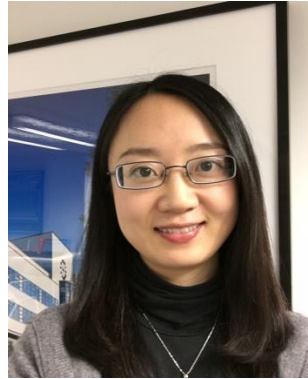
"Huy T. Vo is an Assistant Professor of Computer Science at the City College, City University of New York (CUNY–CCNY), and an Exchange Assistant Professor at CUSP with a focus in large-scale visualization, big data systems, and scalable displays. He is one of the co-creators of VisTrails, an open-source scientific workflow and provenance management system, where he led the design of the VisTrails Provenance SDK. He received his B.S. in Computer Science (2005) and PhD in Computing (2011) from the University of Utah."

My research interests (also taken from my site) are:

- Large-scale Visualization
- Big Data Systems
- Scalable Displays
- High-Performance Computing

The course that I'll be teaching this Spring at CCNY is:  
CSC 59927 - Big Data Management and Analysis

## Assistant Professor Jing Fan



**Jing Fan**

**School/Division:** Grove School of Engineering

**Department:** Mechanical Engineering

**Website:** <http://jingfanlab.com>

### **Profile:**

Dr. Jing Fan will join the Department of Mechanical Engineering at The City College of New York as a tenure-track assistant professor in January 2016, and will be launching a new research lab on complex fluids and soft materials. Since 2012, Dr. Jing Fan has been a postdoctoral fellow at Harvard University working on microfluidics for material production, multiphase flow in porous media, and many other topics related to the dynamics of complex fluids. Her current research interests include the transport phenomena in biological tissues, design and fabrication of functional porous structures, enhanced oil recovery and flood conformance control, physics and applications of microfluidics, foam and emulsion physics, and development of functional particulate materials. Dr. Fan has received recognition of her work and services through a number of awards, including the ASME Journal of Heat Transfer Outstanding Reviewer Award and the Hong Kong Young Scientist Award.

### **Education:**

PhD. Mechanical Engineering, The University of Hong Kong, 2012

ME. Engineering Thermophysics, Shandong University, 2007

BE. Thermal and Energy Engineering, Shandong University, 2005

### **Courses:**

Heat Transfer (ME43300)

### **Research Interests:**

Transport phenomena in biological tissues

Design and fabrication of functional porous structures  
Enhanced oil recovery and flood conformance control  
Physics and applications of microfluidics  
Flow of deformable particles through narrow channels  
Foam and emulsion physics  
Advanced materials for biomedical and optical applications  
Chemical and physical synthesis of functional particulate materials  
Bioheat transfer  
Nanofluids

**Publications:**

Selected recent publications:

- J. Fan\*, Y. Li\*, H. H. Bisoyi, R. S. Zola, D. Yang, T. J. Bunning, D. A. Weitz, and Q. Li, (2014) Light-directing omnidirectional circularly polarized reflection from liquid crystal droplets, *Angewandte Chemie International Edition*, 54(7): 2160-2164. [\*Equal contribution; selected as 'Very Important Paper' (VIP) of the journal]
- S. Datta, A. Abbaspourrad, E. Amstad, J. Fan, S-H. Kim, M. Romanowsky, H. C. Shum, B. J. Sun, A. S. Utada, M. Windbergs, S. Zhou, and D. A. Weitz, (2014) Double emulsion template solid microcapsules: mechanics and controlled release, *Advanced Materials*, 26(14): 2205-2218.
- S. B. Zhou\*, J. Fan\*, S. Datta, M. Guo, X. Guo, and D. A. Weitz, (2013) Thermally switched release from nanoparticle colloidosomes, *Advanced Functional Materials*, 23: 5925-5929. [\*Equal contribution]
- J. Fan, and L. Q. Wang, (2011) Heat conduction in nanofluids: structure-property correlation, *International Journal of Heat and Mass Transfer* 54: 4349-4359.
- J. Fan, and L. Q. Wang, (2011) Analytical theory of bioheat transport, *Journal of Applied Physics* 109(10): 104702.
- J. Fan, and L. Q. Wang, (2011) Review of heat conduction in nanofluids, *ASME Journal of Heat Transfer* 133(4): 040801.

## Assistant Professor Ben Black



### Appointments

2016 -

Assistant professor, Department of Earth and Atmospheric Science, City College of New York

2014-2016

Postdoctoral scholar, Department of Earth and Planetary Science, University of California, Berkeley

### Education

Ph.D. (Geology and Geochemistry) Massachusetts Institute of Technology, Sept. 2013

A.B. (Earth and Planetary Science) Harvard University, June 2005

### Research

Research in Dr. Black's group focuses on why and how volcanoes erupt; the consequences of gases released from magmas for climate and biota; and surface processes on Earth and other solar system bodies. Tools include field work, geochemical measurements, spacecraft data, and numerical models.

Ongoing projects investigate:

- (1) the mechanisms that determine whether magmas erupt,
- (2) the eruptive dynamics of flood basalts (rare, enormous volcanic eruptions),
- (3) the connection between these voluminous volcanic eruptions and mass extinctions,
- (4) the erosional history of Titan and Mars, and
- (5) the self-destruction of inwardly migrating moons.

### Selected Recent Publications

1. Black, B.A. and T. Mittal. (2015) "The demise of Phobos and development of a martian ring system." *Nature Geoscience* 8, 913-917.

2. Black, B.A., R.R. Neely, M. Manga. (2015) "Campanian Ignimbrite volcanism and the final decline of the Neanderthals." *Geology* 43 (5), 411-414.
3. Black, B.A., B.P. Weiss, R.V. Veselovsky, L.T. Elkins-Tanton, and A.V. Latyshev. (2015) "Siberian Traps volcanoclastic rocks and the role of magma-water interactions." *GSA Bulletin* 127 (9-10), 1437-1452.
4. Black, B.A., J.-F. Lamarque, C.A. Shields, L.T. Elkins-Tanton, and J.T. Kiehl. (2014) "Acid rain and ozone depletion from pulsed Siberian Traps magmatism." *Geology* 42(1), 67-70.
5. Black, B.A., E.H. Hauri, L.T. Elkins-Tanton, and S.M. Brown. (2014) "Sulfur isotopic evidence for sources of volatiles in Siberian Traps magmas." *Earth and Planetary Science Letters* 394, 58-69.
6. Black, B.A., L.T. Elkins-Tanton, M.C. Rowe and I. U. Peate. (2012) "Magnitude and consequences of volatile release from the Siberian Traps." *Earth and Planetary Science Letters* 317-318.
7. Black, B.A., J.T. Perron, S.A. Drummond, and D. Burr. (2012) "Estimating Erosional Exhumation on Titan from Drainage Network Morphology." *Journal of Geophysical Research-Planets* 117.

### **Assistant Professor Bo Yuan**

Bo Yuan is an Assistant Professor in the Department of Electrical Engineering at the City University of New York, City College. He received Ph. D degree of Electrical Engineering from Department of Electrical and Computer Engineering at University of Minnesota, Twin cities in 2015. He received his bachelor degree of Physics and Master degree of Microelectronics in the Department of Intensive Instruction and School of Electronics Science and Engineering in 2007, 2010, respectively, both from Nanjing University. He is interested in co-designing the algorithms (especially on signal processing, machine learning and communication) and low-power fault-tolerant VLSI to address the emerging challenges for embedded and computing system in big data and nanoscale CMOS era.

#### **Education**

- Ph.D., Electrical Engineering, University of Minnesota, Twin Cities, 2015
- M.S., Microelectronics, Nanjing University, China, 2010
- B.S., Physics, Nanjing University, China, 2007

**Research Interest**

VLSI, Signal Processing, Machine Learning, Error-resilient computing, Communication

**Associate Medical Professor Victoria Frye**

Victoria Frye is an Associate Medical Professor in the Department of Community Health and Social Medicine. She came to Sophie Davis in November 2015 after serving as the Head of the Laboratory of Social and Behavioral Sciences at the New York Blood Center and an Assistant Professor of Clinical Sociomedical Sciences at the Mailman School of Public Health of Columbia University, where she received her BA in history, MPH in epidemiology and DrPH in sociomedical sciences. Dr. Frye's work combines epidemiological and social science theories and methods to study the distribution, determinants and health consequences of intimate partner violence and HIV/AIDS. Additionally, she designs and tests HIV and violence prevention interventions. Dr. Frye is currently the PI of two NIH-funded studies. The first develops and tests a community-level anti-HIV stigma and homophobia intervention; the second assesses the impact of a brief behavioral intervention on uptake of consistent HIV self-testing among young, Black men who have sex with men (MSM) and transgender women. She was the recipient of a mentored career development award from NIDA and her research has been published in *JAMA*, *American Journal of Public Health*, *Social Science and Medicine*, *AIDS and Behavior*, *AIDS Care*, *Violence against Women*, *Journal of Community Psychology*, *Journal of Interpersonal Violence*, and the *Journal of Urban Health*, where she serves as an Associate Editor.

**Education**

Dr.P.H., 2004, Mailman School of Public Health, Columbia University

M.P.H., 1998, Mailman School of Public Health, Columbia University

B.A., 1991, Columbia College, Columbia University

Interests

Intimate partner and sexual violence against women

HIV prevention

Neighborhood effects on health

## **Publications**

(Since 2012; for full list see:

<https://scholar.google.com/citations?user=11XkEUYAAAAJ&hl=en>)

Frye, V., Wilton, L., Hirschfield, S., Chiasson, M.A., Usher, D., Lucy, D., McCrossin, J., Greene, E., Koblin, B. (2015) “Just because it’s out there, people aren’t going to use it.” HIV self-testing among young, Black MSM and Transgender women. *AIDS Patient Care and STDs*. Vol. 29. No. 11. 619-624.

Koblin, B., Grant, S., Frye, V., Superak, H., Sanchez, B., Dunbar, D., Graham, P., Novak, R., and Frank, I. (2015) HIV risk and syndemics among women in three urban areas in the United States; Results from HVTN 906. *Journal of Urban Health*. Vol. 92. No. 3. 572-583.

Frye, V. Egan, J.E., Cerda, M., Greene, E., Tieu, H-V., Ompad, D., Hoover, D. Lucy, D., Baez, E. and Koblin, B. (2015) Sexual orientation and race-based discrimination and sexual HIV risk behavior among Urban MSM. *AIDS and Behavior*. Vol. 19. No. 2.

Bond, K., Frye, V. Taylor, R., Williams, K., Bonner, S., Cupid, M., Lucy, D. Weiss, L. and Koblin, B. (2015) Knowing is not enough: a qualitative report on HIV testing among heterosexual African-American men. *AIDS Care*. Vol. 27. No. 2. 182-188.

Van Sluytman, L., Spikes, P., Nandi, V., Tieu, HV., Frye, V., Patterson, J., and Koblin, K. (2015) Ties that bind: community attachment and the experience of discrimination among Black men who have sex with men. *Culture, Health and Sexuality*. Vol. 17. No. 7.

Frye, V., Caltabiano, M., Kessler, D.A., Schaffler, H., Reboza, M., Hillyer, C. D., Shaz, B.H. (2015) Evaluating a program to increase blood donation among racial and ethnic minority donors in New York City. *Transfusion*. Vol. 54. No. 12. 3061-3067.

Usher, D., Frye, V., Shinnick, J., Greene, E., Baez, E., Benitez, J., Solomon, L., Shouse, R.L., Sobieszczyk, M.E., Koblin, B.A. (2015) Recruitment by a Geospatial Networking Application for Research and Practice: The New York City Experience. *JAIDS*. Vol. 67. No. 5. e143-e145.

Frye, V., Blaney, S., Cerda, M., Paul, M., Ompad, D., Vlahov, D., and Galea, S. (2014) Neighborhood characteristics and intimate partner and sexual violence among a street-recruited sample of drug-involved New York City residents. *Violence Against Women*. Vol. 20. No. 7. 799-824.



Tieu HV, Nandi V, Frye V, Stewart K, Oquendo H, Bush B, Cerda M, Hoover DR, Ompad D, Koblin BA; NYC M2M Study Team. (2014) Concurrent partnerships and HIV risk among men who have sex with men in New York City. *Sexually Transmitted Diseases*. Vol. 41. No. 3.

Frye, V., Egan, J.E., Tieu, H-V., Cerda, M., Ompad, D., and Koblin, B. (2014) "I didn't think I could get out of the fucking park." Gay men's retrospective accounts of neighborhood space, emerging sexuality and migrations. *Social Science and Medicine*. Vol. 104.

Koblin, B., Egan, J.E., Rundle, A., Quinn, J., Tieu, H-V., Cerdá, M., Ompad, D.C., Greene, E., Hoover, D. R., and Frye, V. (2013) Methods to measure the impact of home, social, and sexual neighborhoods of urban gay, bisexual, and other men who have sex with men. *PLoS ONE*.

Greene, E., Frye, V., Colfax, G., Purcell, D., McKiernan, D. Hudson, S. and Koblin, B. (2013) Correlates of unprotected sex with women among a national sample of gay men. *AIDS and Behavior*. Vol. 17 No. 3.

Frye, V., Henny, K., Bonner, S., Williams, K., Bond, K., Hoover, D., Lucy, D. Greene, E. and Koblin, B. (2013) "Straight Talk" for African American heterosexual men: Results of a single-arm behavioral intervention trial *AIDS Care*. Vol. 25 No. 5.

Frye, V., Williams, K., Bond, K., Henny, K., and Koblin, B. (2012) Condom use and concurrent partnering among heterosexually active, African American men: A qualitative report. *Journal of Urban Health*. Vol. 90 No. 5.

Frye, V., Bonner, S., Williams, K., Bond, K., Henny, K., Smith, S., Cupid, M., and Koblin, B. (2012) Straight Talk HIV prevention for African American heterosexual men: Theoretical bases and intervention design. *AIDS Education and Prevention*. Vol. 24 No. 5.

Frye, V., Paul, M., Todd, M., and O'Campo, P. (2012) Informal social control of intimate partner violence against women: Results from a concept mapping study of urban neighborhoods. *Journal of Community Psychology*. Vol. 40 No. 7.

Mackenzie, S., Pearson, C., Frye, V., Gómez, C.A., Latka, M.H., Purcell, D.W., Knowlton, A.R., Metsch, L.R., Tobin, K.E., Valverde, E.E., Knight, K.R. (2012) Agents of change: Peer mentorship as HIV prevention among HIV-positive injection drug users. *Substance Use and Misuse*. Vol. 47 No. 5.

Kapadia, F., Frye, V., Bonner, S., Emmanuel, P., Samples, C.L., and Latka, M. (2012) Perceived peer safer sex norms and sexual risk behaviors among substance using Latino adolescents. *AIDS Education and Prevention*. Vol. 24 No. 1.

Tieu, H-V., Spikes, P., Patterson, J., Bonner, S., Egan, J., Goodman, K., Stewart, K. Frye, V., Xu, G., Hoover, D., and Koblin, B. (2012) Sociodemographic and risk behavior characteristics associated with unprotected sex with women among black men who have sex with men and women in New York City. *AIDS Care*. Vol. 24 No. 9.

## **Assistant Professor Javad Shabani**



Assistant Professor of Physics, City College, City University of New York (2015 - now)

- Assistant Project Scientist, California NanoSystems Institute, University of California, Santa Barbara, CA (2014 - 2015)

- Post Doctoral Fellow, California NanoSystems Institute, University of California, Santa Barbara, CA (2012 - 2014)

- Post Doctoral Fellow, Physics department, Harvard University, Cambridge, MA (2011 - 2012)

### **Education**

Ph.D. Electrical Engineering (2011), Princeton University, Princeton, NJ (2011)

M.A. Electrical Engineering (2007), Princeton University, Princeton, NJ (2007)

M.Sc. Electrical Engineering (2005), University of California, Santa Cruz, Santa Cruz, CA (2005)

B.Sc. Electrical Engineering, Sharif University of Technology, Tehran, Iran (2004)

B.Sc. Physics, Sharif University of Technology, Tehran, Iran (2004)

### **Research Interests**

1. Mesoscopic and nanoscale physics with emphasis on low dimensional semiconductors
2. Novel states of matter in interfaces and hybrid superconductor-semiconductor systems

3. Control and manipulation of spin in quantum devices with focus on new materials/device development for quantum information

4. Physics of integer and fractional quantum Hall effect

5. Epitaxial growth of compound superconducting metals-semiconductor, including high mobility two dimensional electron systems and nanowires using molecular beam epitaxy.

## Publications

Here is a link to google scholar:

[https://scholar.google.com/citations?user=hg\\_9iHcAAAAJ&hl=en](https://scholar.google.com/citations?user=hg_9iHcAAAAJ&hl=en)

my publications:

1. J. Shabani, M. Kjaergaard, H. J. Suominen, Younghyun Kim, F. Nichele, K. Pakrouski, T. Stankevic, R. M. Lutchyn, P. Krogstrup, R. Feidenhansl, S. Kraemer, C. Nayak, M. Troyer, C. M. Marcus, and C. J. Palmstrm, "Epitaxial Al-InAs two-dimensional systems: a platform for topological networks", in preparation for submission.
2. B. Shojaei, T. McFadden, J. Shabani, B. Shultz and C.J. Palmstrm , "Studies of scattering mechanisms in gate tunable InAs/(Al,Ga)Sb two dimensional electron gases", Appl. Phys. Lett. 106, 222101 (2015).
3. A. Podpirka, J. Shabani, M. Katz, M. Twigg, S. Mack, C. J. Palmstrm and B. Bennett, "Growth and characterization of (110) InAs quantum well metamorphic heterostructures", J. Appl. Phys. 117, 245313 (2015).
4. Yang Liu, S. Hasdemir, J. Shabani, M. Shayegan, L.N. Pfeier, K.W. West, K.W. Baldwin, "Multi-component fractional quantum Hall states with subband and spin degrees of freedom", submitted for publication. Available online arXiv:1501.06958.
5. J. Shabani, Y. Kim, T. McFadden, R. M. Lutchyn, C. Nayak and C.J. Palmstrm, "Tuning spin orbit interaction in high quality gate-dened InAs one-dimensional channels", submitted for publication. Available online arXiv:1408.1122.
6. J. Shabani, T. McFadden, B. Shojaei and C.J. Palmstrm, "Gating of high-mobility InAs metamor-

- phic heterostructures", *Appl. Phys. Lett.* 105, 262105 (2014).
7. J. Shabani, S. Das Sarma and C.J. Palmström, "An apparent metal insulator transition in high mobility InAs heterostructures", *Phys. Rev. B* 90, 161303 (Rapid Communication) (2014).
  8. J. Shabani, Y. Liu, M. Shayegan, LN Pfeier, KW West and KW Baldwin, "Phase diagrams for the stability of the  $\nu=1/2$  fractional quantum Hall effect in electron systems confined to symmetric, wide GaAs quantum wells", *Phys. Rev. B* 88, 245413 (2013).
  9. Y. Liu, J. Shabani, D. Kamburov, M. Shayegan, LN Pfeier, KW West, KW Baldwin, "Evolution of the  $7/2$  Fractional Quantum Hall State in Two-Subband Systems", *Phys. Rev. Lett.* 107, 266802 (2011).
  10. Y. Liu, J. Shabani, and M. Shayegan, "Stability of the  $q/3$  fractional quantum Hall states" *Phys. Rev. B*, 84, 195303 (2011).
  11. Y. Chiu, M. Padmanabhan, T. Gokmen, J. Shabani, E. Tutuc, M. Shayegan, and R. Winkler, "Effective mass and spin susceptibility of dilute two-dimensional holes in GaAs" *Phys. Rev. B*, 84, 155459 (2011).
  12. R. Banan Sadeghian, O. Pantchenko, D. Tate, J. Shabani, M. M. Zarandi, and A. Shakouri, Design and Demonstration of Micro-Concentration-Cells for Small Scale Energy Harvesting based on Reverse Electrodialysis, in *Proc. MRS Conf. Symposium E (Energy Harvesting From Fundamentals to Devices)*, vol. 1325, mrss11-1325-e08-07, San Francisco, CA, Apr. (2011).
  13. K. Lai, W. Kundhikanjana, M. A. Kelly, Z. Shen, J. Shabani, and M. Shayegan, "Imaging of Coulomb-Driven Quantum Hall Edge States" *Phys. Rev. Lett.*, 107, 176809 (2011).
  14. J. Shabani, Y. Liu, and M. Shayegan, "Fractional Quantum Hall Effect at High Fillings in a Two-Subband Electron System" *Phys. Rev. Lett.*, 105, 246805 (2010).
  15. J. Shabani, T. Gokmen, Y.T. Chiu, and M. Shayegan, "Evidence for Developing Fractional Quantum Hall States at Even Denominator  $1/2$  and  $1/4$  Fillings in Asymmetric Wide Quantum Wells" *Phys. Rev. Lett.* 103, 256802 (2009).
  16. J. Shabani, T. Gokmen, and M. Shayegan, "Correlated States of Electrons in Wide Quantum Wells at Low Fillings: The Role of Charge Distribution Symmetry" *Phys. Rev. Lett.* 103, 046805 (2009).
  17. A. Tsukazaki, A. Ohtomo, M. Kawasaki, S. Akasaka, H. Yuji, K. Tamura, K. Nakahara, T. Tanabe, A. Kamisawa, T. Gokmen, J. Shabani, and M. Shayegan, "Spin Susceptibility and Effective Mass of Two-Dimensional Electrons in  $\text{Mg}_x\text{Zn}_{1-x}\text{O}/\text{ZnO}$  Heterostructures" *Phys. Rev. B*. 78, 233308

(2008).

18. J. Shabani, J.R. Petta and M. Shayegan, "High-quality quantum point contact in two-dimensional

GaAs (311)A hole system" Appl. Phys. Lett. 93, 212101 (2008).

19. J. Shabani, M. Shayegan and R. Winkler, "Strain-induced Fermi contour anisotropic of GaAs 2D

holes", Phys. Rev. Lett. 100, 096803 (2008).

20. J. Christoerson; K. Maize, Y. Ezzahri, J. Shabani, X. Wang, and A. Shakouri, "Microscale and

Nanoscale Thermal Characterization Techniques", ASME Journal of Electronic Packaging, vol 130, pp

041101, November 13, (2008).

21. B. Habib, J. Shabani, E.P. De Poortere, M. Shayegan and R. Winkler, "Anisotropic low temperature

piezoresistance in (311)A GaAs two-dimensional holes", Appl. Phys. Lett. 91, 012107 (2007).

22. J. Shabani, X. Wang, A. Shakouri, "3D temperature measurement in IC chips using Raman spec-

troscopy", Proc. of Material Research Symposium, San Francisco, April, (2007).

23. J. Christoerson; K. Maize, Y. Ezzahri, J. Shabani, X. Wang, and A. Shakouri, "Microscale and

Nanoscale Thermal Characterization Techniques", Proc. of 1st Thermal Issues in Emerging Technolo-

gies Symposium, Cairo, Egypt, Jan., (2007).

24. B. Habib, J. Shabani, E.P. De Poortere, M. Shayegan and R. Winkler, "Tuning of spin-orbit interaction in two-dimensional GaAs holes via strain", Phys. Rev. B 75, 153304 (2007).

25. A. Tekin, M.R. Yuce, J. Shabani, W. Liu, "A Low Power FSK Modulator/Demodulator for an MICS

Band Transceiver", Radio and Wireless Symposium IEEE, page 159- 162, Jan (2006).

1. [https://scholar.google.com/citations?user=hg\\_9iHcAAAAJ&hl=en](https://scholar.google.com/citations?user=hg_9iHcAAAAJ&hl=en)

2. [http://arxiv.org/find/cond-mat/1/au:+Shabani\\_J/0/1/0/all/0/1](http://arxiv.org/find/cond-mat/1/au:+Shabani_J/0/1/0/all/0/1)

### **Assistant Professor Angela Chitkara**



Angela Chitkara is the Founder and CEO of Seven Corridors (Seven), formerly US India Corridor (USIC), a strategic level communications and business development consulting practice, serving international and bicoastal companies, from Silicon Alley to Silicon Valley.

Seven helps clients develop dynamic, growth-oriented and measurable integrated marketing campaigns consisting of public relations, branding, emerging technologies, user experience research and market research, corporate social responsibility initiatives, internal communications, and crisis communication strategies. This interdisciplinary, culturally conscious narrative approach attracts clients across industries and sectors, including law, technology, healthcare, private equity, entertainment, and food and wine.

The firm is also involved with several pro bono projects, notably India-focused grass roots-level initiatives, and WEConnect International, a Washington D.C. based, corporate-led non-profit dedicated to women's business enterprises.

Angela holds a Masters in International Affairs, Columbia University; a Masters in International Journalism, City University, UK; and a BA in Communications, Seton Hall University. She is a current board member with the Asian American Writer's Workshop, a NYC-based nonprofit literary arts organization founded in support of writers, literature and community.

She was a Visiting Lecturer at the University of Zambia (UNZA), Africa, in 2013, where she continues work on a public relations campaign for the country as part of the Africa investment story.

## **Assistant Medical Professor Marlene Camacho-Rivera**

### **Profile**

Marlene Camacho-Rivera is an Assistant Medical Professor in the Department of Community Health and Social Medicine. She came to Sophie Davis in August 2015 after completing a postdoctoral research fellowship in epidemiology within the Department of Occupational Medicine, Epidemiology and Prevention at North Shore-LIJ Health System. During that time Dr. Camacho-Rivera also served as an epidemiologist within the Department of Family Medicine and as a postdoctoral affiliate of the Feinstein Institute for Medical Research at North Shore-LIJ Health System.

Dr. Camacho-Rivera's research interests include the role of social, geographic, and institutional factors in explaining racial/ethnic disparities in cardiovascular diseases, asthma, obesity and cancer. Her work also explores how cultural factors account for within group variation in the prevention and treatment of chronic disease outcomes among racial/ethnic groups.

## **Education**

ScD, Harvard School of Public Health  
MS, Harvard School of Public Health  
MPH, Tufts University School of Medicine  
BS, Cornell University

## **Research Interests**

Chronic disease epidemiology  
Health equity  
Social epidemiology  
Urban health

## **Publications**

Camacho-Rivera M, Kawachi I, Bennett GG, Subramanian SV. Revisiting the Hispanic Health Paradox: The Relative Contributions of Nativity, Country of Origin, and Race/Ethnicity to Childhood Asthma. *Journal of Immigrant and Minority Health*. 2015 Jun;17(3):826-33.

Taioli E, Wolf AS, Moline JM, Camacho-Rivera M, Flores RM. Frequency of surgery in Black patients with malignant pleural mesothelioma. *Disease Markers*. 2015. Article ID 282145

Azab B, Camacho-Rivera M, Taioli E. Average Values and Racial Differences of Neutrophil lymphocyte ratio among a nationally representative sample of United States subjects. *PLOS One*. 2014 Nov 6; 9(11):e112361.

Camacho-Rivera M, Kalwar T, Sanmugarajah J, Shapira I, Taioli E. Heterogeneity of breast cancer clinical characteristics and outcomes in US black women – effect of place of birth. *The Breast Journal*. 2014 Sep-Oct;20(5):489-95.

Taioli E, Wolf AS, Camacho-Rivera M, Flores RM. Women have threefold better survival rate than men with malignant pleural mesothelioma. *The Annals of Thoracic Surgery*. 2014 Sep;98(3):1020-4. doi: 10.1016/j.athoracsur.2014.04.040.

Camacho-Rivera M, Bennett GG, Kawachi I, Subramanian SV. Racial/Ethnic, Socioeconomic, and Neighborhood Differences in Indoor Allergen Exposures among Los Angeles Households. *The Journal of Urban Health*. 2014 Aug;91(4):661-76.

Camacho-Rivera M, Kawachi I, Bennett GG, Subramanian SV. Perceptions of Neighborhood Safety and Asthma among Children and Adolescents in Los Angeles: A Multilevel Analysis. *PLOS One*. 2014 Jan 23;9(1):e87524.

Camacho-Rivera M, Ragin C, Roach V, Kalwar T, Taioli E. Breast cancer clinical characteristics and outcomes in Trinidad and Tobago. *Journal of Immigrant and Minority Health*. 2013 Oct 22

Saeed O, Patel J, Rivera A, Camacho-Rivera M, Goldstein DJ, Maybaum S, Patel SR. Aortic Valve Opening Predicts Thrombotic Events during Continuous Flow Left Ventricular Assist Device (CF-LVAD) Support. *Circulation*. 2012 126:A11343.

Patel S, Rivera A, Patel J, Saeed O, Camacho-Rivera M, Maybaum S, Goldstein D. Gastrointestinal bleeding is not associated with pump speed and aortic valve opening in patients supported with the Heart Mate II LVAD. *Journal of Heart and Lung Transplantation*. 2012 31(4):s34.

Graham T, Zotter J, Camacho M. Who's Sick at School: Linking Poor School Conditions and Health Disparities for Boston's Children. *New Solutions*. 2009; 19(3):355-364.

### **Assistant Professor Jacek Dmochowski**



#### **Profile:**

2015-present

Assistant Professor, Department of Biomedical Engineering, City College of New York, New York, NY

2013-2015

Research Associate, Department of Psychology, Stanford University, Stanford, CA

2008-2013

Post-Doctoral Fellow, Department of Biomedical Engineering, City College of New York, New York, NY



**Education:**

2008 PhD Telecommunications (Institut National de la Recherche Scientifique, Canada)

2005 M. A. Sc. Electrical Engineering (Carleton University, Canada)

**Research Interests:**

Research in my lab is broadly aimed at reverse-engineering the human brain, and specifically understanding the manner in which spatiotemporal patterns of electrical activity in the brain give rise to cognition and behavior. In this pursuit, we employ non-invasive neuroimaging (for example, EEG) and brain stimulation techniques (for example, transcranial direct current stimulation) to record and modulate neural activity, respectively. Special emphasis is placed upon array signal processing to recover information from signals embedded in noise and to focally stimulate desired brain regions. Knowledge gained through this research may ultimately be used to alleviate neurological disorders (i.e, epilepsy, stroke) and advance the state-of-the-art in neurotechnology.

**Publications:****(Most relevant)**

Dmochowski, J. P., Datta, A., Bikson, M., Su, Y., & Parra, L. C. (2011). Optimized multi-electrode stimulation increases focality and intensity at target. *Journal of neural engineering*, 8(4), 046011.

Dmochowski, J. P., Bikson, M., & Parra, L. C. (2012). The point spread function of the human head and its implications for transcranial current stimulation. *Physics in medicine and biology*, 57(20), 6459.

Dmochowski, J. P., Sajda, P., Dias, J., & Parra, L. C. (2012). Correlated components of ongoing EEG point to emotionally laden attention—a possible marker of engagement? *Frontiers in human neuroscience*, 6.

Dmochowski, J. P., Datta, A., Huang, Y., Richardson, J. D., Bikson, M., Fridriksson, J., & Parra, L. C. (2013). Targeted transcranial direct current stimulation for rehabilitation after stroke. *Neuroimage*, 75, 12-19.

Dmochowski, J. P., Bezdek, M. A., Abelson, B. P., Johnson, J. S., Schumacher, E. H., & Parra, L. C. (2014). Audience preferences are predicted by temporal reliability of neural processing. *Nature communications*, 5.

Dmochowski, J. P., Greaves, A. S., & Norcia, A. M. (2015). Maximally reliable spatial filtering of steady state visual evoked potentials. *NeuroImage*, 109, 63-72.

Dmochowski, J. P., & Norcia, A. M. (2015). Cortical Components of Reaction-Time during Perceptual Decisions in Humans. *PloS one*, 10(11), e0143339.

**Course:**Bioelectrical Circuits With Lab (Lecture)

## New Faculty Hires - Division of Humanities and Arts

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**ANDREA FELBER SELIGMAN**  
Assistant Professor  
*Department of History*

Andrea Felber Seligman received her Ph.D. at Northwestern University. She specializes in African history with a focus on precolonial African societies. Her research and teaching interests include urban Africa, the Indian Ocean world, African art, and European-African encounters, along with the use of non-documentary sources to explore history. She is working on her first book manuscript that traces the ways in which communities in the central East African interior traded with the wider East African-Indian Ocean world from early in the first millennium through the 1600s. She received a Fulbright Hays Doctoral Dissertation Research Award to support her fieldwork in Tanzania. She will be teaching courses on African and Indian Ocean history and historical methodologies.



**FUSON WANG**  
Assistant Professor  
*Department of English*

Fuson Wang received a Ph.D in English from the University of California, Los Angeles. He also has a mixed disciplinary background in mathematics and literature, and approaches literary studies with an interdisciplinary perspective. His work seeks to make the humanities matter to science, and vice-versa. It engages a broad disciplinary audience that includes medical humanists, medical anthropologists, disability theorists, historians of science and medicine, and, literary critics. He is currently hard at work on a book manuscript about the Romantic era and the medico-literary origins of smallpox inoculation. He will be teaching courses on literature and science and English literature of the 18th and 19th centuries.

## New Faculty Hires - Division of Humanities and Arts

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**ANGELA CHITKARA**  
Assistant Professor  
*Department of Media and  
Communication Arts*

Angela Chitkara received a Masters in International Affairs from Columbia University and a Masters in International Journalism from City University, UK. She is a current board member with the Asian American Writers' Workshop, a NYC-based nonprofit literary arts organization. She is also the Founder and CEO of US India Corridor (USIC), a strategic level communications and business development consulting practice, serving international and bicoastal companies with India exposure in key geographies. She was a Visiting Lecturer at the University of Zambia (UNZA), Africa, in 2013, where she continues work on a public relations campaign for the country as part of the Africa investment story. Angela is joining the Branding and Integrated Communications Program (BIC) in MCA.



**DEIRDRE FISHEL**  
Associate Professor  
*Department of Media and  
Communication Arts*

Deirdre Fishel is a teacher and independent filmmaker of both documentaries and dramas. Her films have premiered in competition at Sundance and SXSW and been broadcast in thirty-five countries worldwide. Her documentary "Still Doing It: The Intimate Lives of Women Over 65" was also expanded into a book co-written with producer Diana Holtzberg. Recent projects include a web documentary, "Suicide on Campus," produced in conjunction with *The New York Times Magazine* and a transmedia project, "The Boy Game," distributed by New Day Films. Deirdre graduated from Brown University, attended the American Film Institute, and has an MFA from Hunter College. She is currently in post-production on the documentary "Care" which received grants from the Ford and MacArthur Foundations. She will be teaching courses in film production and screenwriting.



**MICHAEL B. GILLESPIE**  
Associate Professor  
*Department of Media and  
Communication Arts and Black  
Studies Program*

Michael B. Gillespie has taught at Ohio University, The New School, Duke University, and New York University. His teaching and research focuses on black visual and expressive culture, historiography, film theory, film adaptation, genre theory, contemporary art, and music. His recent publications include "Reckless Eyeballing: Coonskin, Film Blackness, and the Racial Grotesque" in *Contemporary Black American Cinema*, and "Smiling Faces: Chameleon Street, Racial Performativity, and Film Blackness" in *Passing Interests: Racial Passing in U.S. Fiction, Memoirs, Television, and Film*. His book, *Film Blackness: American Cinema and the Idea of Black Film*, is forthcoming from Duke University Press. He will be teaching courses on film theory and critical race theory.

## New Faculty Hires - Division of Humanities and Arts

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**ANNIE J. HOWELL**  
Distinguished Lecturer  
*Department of Media and  
Communication Arts*

Annie J. Howell is a filmmaker whose work has played the SXSW, Mill Valley, Starz Denver, Hamptons, Full Frame, Silver Docs, Clermont-Ferrand, Cleveland, Atlanta, New Orleans and Cinequest Film Festivals, among many others. She previously taught at Duke University's Center for Documentary Studies and Duke's Program in Film and Video, the MFA in Film program at Ohio University, and at The New School, where she was the Founding Director of the Graduate Certificate in Documentary Media Studies. Her first feature, co-written and directed with Lisa Robinson, is titled "Small, Beautifully Moving Parts." The film premiered at SXSW 2011 and was the recipient of the Alfred P. Sloan Feature Film Prize at the Hamptons International Film Festival and the Audience Award at RiverRun Film Festival. She will be teaching courses on film production and directing.



**CHAD KIDD**  
Assistant Professor  
*Department of Philosophy*

After completing a B.A. in Philosophy and Classics at the University of Texas at Arlington, Chad Kidd attended graduate school at the University of California, Irvine, where he studied the history of philosophy and contemporary philosophy of mind and psychology. His historical interests are in Plato, Kant, and late 19th and early 20th century continental and analytic philosophy. He also wrote a dissertation on the nature of perceptual experience and empirical knowledge. Since then, Kidd has taught courses in value theory and applied ethics at Auburn University, and published papers on the nature of conscious experience, self-knowledge, and Edmund Husserl's phenomenology. He is now writing a series of papers on the influence of late 19th century neo-Kantian philosophy on Edmund Husserl's philosophical development.



**BOUKARY SAWADOGO**  
Assistant Professor  
*Department of Media and  
Communication Arts and Black  
Studies Program*

Born in Côte d'Ivoire, Dr. Boukary Sawadogo was educated in Burkina Faso, Senegal, and the USA. His research and teaching interests are focused on African and African Diaspora cinemas, Black world experience, and African culture. Boukary has published extensively on Francophone African cinema, and his documentary, "Salut Y'all: African Teachers on the Bayou," was selected by the 2013 African World Documentary Film Festival. The newest directions of Boukary's research include the study of comedy and digital technologies in African cinemas, African TV series, and the questions of identity and mobility in the African diaspora. He will be teaching courses on African cinema and African diaspora identities.