

## Jingjing Han

Curriculum Vitae

Office 323, 400 Guoding Road, Shanghai, China 200433

Email: [hanjing@alumni.iu.edu](mailto:hanjing@alumni.iu.edu) | Website: <https://dynamicscomm.com/>

### ACADEMIC APPOINTMENT

---

**Assistant Professor** 2022-Present  
School of Journalism, Fudan University  
Institute for Global Communications and Integrated Media, Fudan University

**Academic Year Lecturer** 2019-2021  
Department of Communication, Santa Clara University

- 6 - 7 course teaching load each academic year

### EDUCATION

---

**Ph.D. Media Arts and Sciences, Indiana University, Bloomington** 2020

*Minor: Cognitive Science*

Dissertation: Physiological and behavioral synchrony during television co-viewing:

A nonlinear dynamic systems approach (*Reported by [the Wall Street Journal](#); one of the four candidates for the ICA Information System Division's Annie Lang Dissertation Award*)

**M.A. Telecommunications, Indiana University, Bloomington** 2015

Thesis: Re-conceptualizing coping styles as an arousal-based motivational bias during the processing of mediated self-threatening message. (*Nomination for the ICA and NCA Health Communication Divisions' Joint Thesis Award, one of the four candidates for the final award*)

**Master of Journalism & Communication (Honors), Fudan University** 2013

**B.A. Journalism (Honors), Central China Normal University** 2011

**B.E. Economics, Wuhan University** 2011

### RESEARCH AREA

---

Nonlinear dynamical systems;

Dynamic cognitive and emotional processing;

Communication technology;

### RESEARCH PUBLICATIONS

---

## [Refereed journal articles]

**Han, J.**, Cores-Sarria, L., Zhou, H. (accepted). In-person, video conference, or audio conference? Individual and dyadic information processing as a function of communication system. *Journal of Communication*.

Aaron, N. **Han, J.**, Vrzakova, H., Amon, M.J. (2023). Understanding collective human behavior in social media networks via the dynamical hypothesis. *Topics in Cognitive Science*.

\*Cores-Sarria, L., \***Han, J.**, Myrick, J., Potter, R. (2023). The Effects of ‘Media Tech Neck’: The Impact of Spinal Flexion on Cognitive and Emotional Processing of Videos. *Communication Research*.

\*authors made equal contribution.

Kim, M., Potter, R., & **Han, J.** (2023). Motivational system approach to understand ad processing following various game outcomes. *Sport Management Review*, 26(4), 517-539, DOI: 10.1080/14413523.2022.2137969

**Han, J.**, Zheng, X., Shen, B. & Sun, S. (2022): Nonsmokers’ responses to online e-cigarette commercials: Effects of argument quantity and celebrity endorsement. *Substance Use & Misuse*, 57(6), 948-955. DOI: 10.1080/10826084.2022.2052101.

**Han, J.** Lang, A., & Amon, M. J. (2022). Can media synchronize our physiological responses? Skin conductance synchrony as a function of message valence, arousal, and emotional change rate. *Communication Monographs*, 89(1), 47-69. DOI: 10.1080/03637751.2021.1942105.

**Han, J.**, & Amon, M. (2021). A nonlinear dynamical systems approach to emotional attractor states during media viewing. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 43 (43), 2281-2287.

**Han, J.**, & Lang, A (2020). It’s a journey: From media effects to dynamic systems. *Media Psychology*, 23(3), 415-435, DOI: 10.1080/15213269.2019.1604236.

Shi, Y., Potter, R., **Han, J.**, & Chen, M. (2019). An integrated approach to assessing the impact of emotional online advertising images on viewing time and attitude toward online ads. *Chimica Oggi-Chemistry Today*, 36(3c), 319-336.

**Han, J.**, Sun, S., & Lu, Y. (2017). Framing climate change: A content analysis of Chinese mainstream newspapers from 2005 to 2015. *International Journal of Communication*, 11, 2889-2911.

Shen, G., **Han, J.**, & Wang, L. (2014). An overview of Chinese health communication research during H7N9 influenza. *Journalism Bimonthly*, 123, 100-104. (in Chinese)

Sun, S., Wang, L., Jiang, H., **Han, J.**, & Wang, Y. (2012). Why grassroots stars shine on the social media. *Medien Journal*, 4/2012, 33-40.

**Han, J.** (2013). Online interpersonal communication and offline social network: Mapping model and its predictors. *China Computer-mediated Communication*, VII, 167-186. (in Chinese)

**Han, J.**, & Li, X. (2010). Distinguishing format radio and specialized radio. *Journalism Lover*, 2010(3), 113-114. (in Chinese)

**Han, J.**, & Xu, L. (2010). Rethinking programming skills of format radio. *China Radio*, 2010(9), 60-62. (in Chinese)

**Han, J.** (2010). The construction of citizen journalism on social equity and justice. *Huazhong Humanity Forum*, 2010(1), 191-194. (in Chinese)

### **[Refereed published abstracts]**

**Han, J.**, & Zhou, H. (2022). Physiological evidence of Zoom fatigue: The effect of non- and mediated human communication on mental effort. *Psychophysiology*, 59(S2), S53.

**Han, J.**, Cores-Sarria, L., Myrick, J., Potter, R. (2021). Spinal Flexion effects on cognitive and emotional processing during video viewing. *Psychophysiology*, 58, S76.

**Han, J.**, & Amon, M. (2020). Emotional arousal attractors during video viewing. *Psychophysiology*, 57, S41.

**Han, J.**, Shi, Y., Yan, Y., Roberson, G. C., Zou, L., Chae, S., Lang, A. (2019). Message valence and arousal influence skin conductance synchrony in dyads of friends and strangers: A comparison of linear and nonlinear analyses. *Psychophysiology*, 55, S104.

Zheng, X., & **Han, J.** (2019). Physiological responses to audiovisual media messages by people with different political attitudes and moral motives. *Psychophysiology*, 55, S109.

**Han, J.**, Zheng, X., & Liu, T. (2017). A physiological examination of two coping models. *Psychophysiology*, 54, S53.

**Han, J.**, Almond, A., & Lang, A. (2015). Sensitive dependence on initial conditions of mediated message processing. *Psychophysiology*, 52, S108.

### **[Book Chapters]**

Detenber, B., **Han, J.**, & Lang, A. (2022). The influence of form and presentation attributes of media on emotion. In K. Döveling, C. von Scheve, & E. Konijn (Eds.), *The Routledge handbook of emotions and mass media (2<sup>nd</sup> edition)*. New York, NY: Routledge.

Lang, A., **Han, J.**, Zheng, X., Almond, A., Lynch, T., & Mathews, N. (2018). Learning to play: How virtual world affordances drive adaptation and learning in Grand Theft Auto. In J. Breuer, D. Pietschmann, B. Liebold, & B. P. Lange (Eds.), *Evolutionary psychology and digital games: Digital hunter-gatherers*. Abingdon, UK: Routledge.

## RESEARCH GRANTS

---

2023 Key Member, AI For Science (RMB 200,000), funded by Fudan University

2023 PI, Cognitive Processing Patterns in Human-Machine Communication (RMB 150,000), funded by School of Journalism, Fudan University

2023 Member, Emotional Communication in China's Mainstream Media (RMB 200,000), National Social Science Found

2022 Member, Values in Social Media Platforms (RMB 200,000), National Social Science Found

2018 PI, Dynamics in E-cigarette commercial watching (\$1,000) funded by Indiana University Graduate and Professional Student Government

2011 PI, Chinese Media Coverage on Climate Change (RMB 3,000) funded by Fudan University, China

2009 PI, The Construction of Citizen Journalism on Social Equity and Justice (RMB 1,000), funded by Central China Normal University, China

2008 PI, The Development of Chinese Format Music Radio (RMB 5, 000) funded by the Ministry of Education, China

2019 Key Member, Environmental Communication in Chinese Contexts: Information Transmission, Effects, and Strategies, National Social Science Found

## REFEREED CONFERENCE PRESENTATIONS

---

<sup>a</sup> students at Fudan University

**Han, J.** & Lang, A. (2023, May). Testing Human-Media Interaction as a Non-linear Dynamical System. Paper presented at the annual meeting of the International Communication Association. Toronto, Canada.

<sup>a</sup> Gong, C. & **Han, J.** (2023, May). Brain activation shows AI voice is less engaging than human voice. Paper presented at the annual meeting of the International Communication Association. Remote Presentation.

**Han, J.**, & <sup>a</sup> Zhou, H. (2022, October). *Physiological evidence of Zoom fatigue: The effect of non- and mediated human communication on mental effort*. Presented at the annual meeting of Society for Psychophysiological Research. Hybrid.

**Han, J.**, & Amon, M. (2021, July). A nonlinear dynamical systems approach to emotional attractor states during media viewing. Paper presented at the annual meeting of the Cognitive Science Society.

**Han, J.**, Lang, A., & Amon, M. (2021, May). Can media make us feel alike? Skin conductance synchrony as a function of message valence, arousal, and emotional change rate. Paper presented at the annual conference of the International Communication Association. (*\*Top Paper Award*)

**Han, J.**, <sup>a</sup>Kang, J., <sup>a</sup>Yuetikuer, A., <sup>a</sup>Zhou, H., <sup>a</sup>Yuan, R., <sup>a</sup>Xu, M., Sun, S. & Lang, A. (2021, May). Zoom fatigue: The effect of non- and computer-mediated interpersonal communication on mental effort and physiological synchronization. Paper presented at the annual conference of the International Communication Association

Cores-Sarria, L., **Han, J.**, Myrick, J., Potter, R. (2021, May). Tech neck effects during mobile device use: Impact of spinal flexion on physiological cognition, emotion & arousal. Paper presented at the annual conference of the International Communication Association

Sun, S., He, J., & **Han, J.** (2021, May). Body dissatisfaction and social media use: A meta-analysis. Paper presented at the annual conference of the International Communication Association

**Han, J.**, & Amon, M. (2020, October). Emotional arousal attractors during video viewing. Paper presented at the annual meeting of the Society for Psychophysiological Research.

**Han, J.**, Shi, Y., Yan, Y., Roberson, G. C., Zou, L., Chae, S., Lang, A. (2019, September). *Message valence and arousal influence skin conductance synchrony in dyads of friends and strangers: A comparison of linear and nonlinear analyses*. Paper was presented at the annual meeting of the Society for Psychophysiological Research. Washington D.C.

Zheng, X., & **Han, J.** (2019, September). *Physiological responses to audiovisual media messages by people with different political attitudes and moral motives*. Paper was presented at the annual meeting of the Society for Psychophysiological Research. Washington D.C.

**Han, J.**, & Lang, A. (2018, May). *It's a journey: From media effects to dynamic systems*. Paper presented at the annual conference of the International Communication Association. Prague, Czech Republic. (*\*Top Paper Award*)

Zheng, X., & **Han, J.** (2018, May). *Ideology-based differences in physiological reactions to media messages*. Paper presented at the annual conference of the International Communication Association. Prague, Czech Republic.

Myrick, J., Cores-Sarria, L., **Han, J.**, Newman, A., Floom, A., & Potter, R. (2018, May). *Embodied cognition and 'tech neck': A psychophysiological study of the impact of spinal flexion on cognitive and emotional processing of video messages*. Paper presented at the annual conference of the International Communication Association. Prague, Czech Republic.

**Han, J.** (2018, April). *Pilot study of physiological synchrony during television viewing*. Paper presented at the Big 10 Mini Communication conference. Madison, Wisconsin.

**Han, J.**, Zheng, X., & Liu, T. (2017, October). *A physiological examination of two coping models*. Paper presented at the annual meeting of the Society for Psychophysiological Research. Vienna, Austria.

**Han, J.**, & Zheng, X. (2017, May). *Coping as motivational bias: Physiological connection between motivational systems and coping styles*. Paper presented at the annual conference of the International Communication Association. San Diego, CA.

Sun, S., **Han, J.**, & Zheng, X. (2017, May). *Framing and exemplification effects on responses to lung cancer news*. Paper presented at the annual conference of the International Communication Association. San Diego, CA.

**Han, J.**, Zheng, X., Sun, S., & Potter, R. (2017, May). *Responses to E-cigarette commercials: Examining the effect of celebrity endorsement and health claims*. Paper presented at the annual conference of the International Communication Association. San Diego, CA.

Lang, A., **Han, J.**, Zheng, X., Almond, A., Lynch, T., & Mathews, N. (2016, November). *Driving and Dying: Destabilizing Real World Attractors in Grand Theft Auto*. "Applying Dynamic, Complex Systems Approaches in Communication Research" panel with J. L. Sherry (Chair), A. Lang, A. Boyan, N. L. Matthews, & A. Almond for Communication and Social Cognition Division at the annual meeting of National Communication Association. Philadelphia, PA.

**Han, J.**, & Lang, A. (2016, June). *Re-conceptualizing coping styles as an arousal-based motivational bias during the processing of mediated self-threatening messages*. Paper presented at the annual conference of the International Communication Association. Fukuoka, Japan.

**Han, J.**, Liao, W., Minas, R., Dennis, A., & Potter, R. (2016, June). *Relationships between neural patterns during picture priming and creative thinking during electronic brainstorming*.

Paper presented at the annual conference of the International Communication Association. Fukuoka, Japan.

**Han, J.**, Almond, A., & Lang, A. (2015, September). *Sensitive dependence on initial conditions of mediated message processing*. Paper presented at the annual meeting of the Society for Psychophysiological Research. Seattle, WA.

**Han, J.**, & Sun, S. (2014, August). *Framing climate change: A content analysis of mainstream Chinese newspapers from 2005-2012*. Paper presented at the annual conference of the Association for Education in Journalism and Mass Communication. Montreal, Canada.

**Han, J.** (2014, August). *How does the audience respond to cancer videos?: A content analysis of YouTube comments*. Paper presented at the annual conference of the Association for Education in Journalism and Mass Communication. Montreal, Canada.

Almond, A., **Han, J.**, Jeon, Y., Liu, J., & Lang, A. (2014, May). *Encoding systems, biological imperatives, and persuasion: Symbols change explicit and representations change implicit attitudes*. Paper presented at the annual conference of the International Communication Association (Preconference, Evolution, Biology, & Brains 2.0). Seattle, WA.

Potter, R., Read, G., Sites, J., & **Han, J.** (2014, May). *That's not how it goes! The effect of familiarity on automatic attention to expectancy violations in popular songs*. Paper presented at the annual conference of the International Communication Association. Seattle, WA.

**Han, J.**, Zhao, J., & Liu, X. (2012, November). *Chinese media framing of climate change*. Paper presented at the 4th Ph.D. Student Symposium of the Chinese Research Alliance on Journalism and Communication. Taipei, Taiwan. (*\*Top paper award*)

**Han, J.** (2011, November). *Online interpersonal communication and offline social network: Mapping model and its predictors*. Paper presented at the 3rd Ph.D. Student Symposium of the Chinese Research Alliance on Journalism and Communication. Shanghai, China.

## ACADEMIC AWARDS

---

### [Paper Awards]

2021	Top Paper Award of Information System, International Communication Association
2021	Nomination for ICA Information Systems Annie Lang Dissertation Award
2018	Top Paper Award of Information System, International Communication Association
2017	Nomination for ICA and NCA Health Communication Divisions' Joint Thesis Award

- 2013 The Most Valuable Proposal at Youth Innovation Competition on Global Governance,  
Sponsored by United Nation Development Programme
- 2012 “Scholar of Challenge” Award, Fudan University
- 2012 Top Paper at the 4th Ph.D. Student Symposium of Chinese Research Alliance on  
Journalism and Communication
- 2010 Top Paper at the 3rd Shanghai International Student Television Festival
- 2010 3rd Prize at the 1st national paper competition held by the Ministry of Education
- 2010 3rd Prize at 2010 Central China Normal University Student Paper Competition

### **[Fellowships]**

- 2021-2024 Shanghai Leading Talent Program
- 2018 Chinese Government Award for Outstanding Self-Financed Students Abroad,  
Top 10 Special Excellence Award
- 2018-2019 Dissertation Completion Fellowship  
Indiana University College of Arts and Sciences
- 2011-2012 Haoxue Merit Fellowship, Fudan University, China
- 2007-2010 Boya Merit Fellowship, Central China Normal University, China
- 2007-2008 National Merit Fellowship, The Ministry of Education, China

### **[Travel Awards]**

- 2018 ICA travel award
- 2018 College of Arts and Sciences travel award
- 2018 Travel fund, The Media School, Indiana University
- 2017 Tom/Jay Darragh fund, The Media School, Indiana University
- 2017 Summer workshop travel award, American Psychological Association
- 2017 ICA travel award
- 2017 The Provost’s Travel Award for Women in Science,  
Indiana University College of Arts and Sciences
- 2017 Indiana University Graduate and Professional Student Government Travel Award
- 2016 Indiana University Graduate and Professional Student Government Travel Award

### **INVITED TALKS**

---

#### *Interpersonal Synchronization During Human-Media Interactions*

- Presentation to the brown bag in the Department of Communication at Shanghai University of Finance and Economics, November, 2023.

#### *Apply Cognitive Science Approach to Understanding Health Communication*



- Presented at the Health Communication Workshop (two other invited speakers are Drs. Teresa Thompon from Kentucky University and Bu Zhong from Penn State University) at the annual meeting of Chinese's Health Communication Division, Zhuhai, October, 2023.

*The Effects of 'Media Tech Neck': The Impact of Spinal Flexion on Cognitive and Emotional Processing of Videos.*

- Presented at the annual meeting of the Institute for Global Communication and Integrated Media, Shanghai, December 2022.

*Applying media psychophysiology to health communication research.*

- Presented at "Cognitive and Emotional Processing in Health Communication" panel with Jingxi Chen, Jiawei Liu, Bin Shen, Fan Wang for the Shanghai Hub at the annual meeting of International Communication Association. Hybrid, Paris.

*Physiological and behavioral synchrony during television co-viewing*

- Presentation to the Brow Bag in the Department of Communication, University of California, Davis, Fall 2019
- Presentation to the Statistics Consulting course in the Statistics Department, Indiana University, Spring 2018
- Presentation to the Developmental Cognitive Neuroscience Lab, Dr. Bennett Bertenthal, Indiana University, Fall 2016, Summer 2020
- Presentation to the Media School Graduate Student Conference, Indiana University, Spring 2018
- Presentation to the Advanced Training Institute (Nonlinear Methods for Psychological Sciences), American Psychological Association, Summer 2017

*Dynamic systems theory and nonlinear methods*

- Presentation to the Institute for Communication Research, Indiana University, Fall 2017
- Presentation to the Perception Action Lab, Dr. Geoffrey Bingham, Indiana University, Spring 2017
- Presentation to *The Media School Graduate Student Conference, Indiana University, Spring 2018*

## **ORGANIZED CONFERENCE PANELS**

---

- Chair, for the panel "A Future for Complex Dynamical Systems in Communication Research", hosted as part of the Shanghai hub at the annual meeting of the International Communication Association. Hybrid, Paris.

## TEACHING

---

### Fudan University

- Human-Machine Communication (Graduate)
  - For graduate students from [London School of Economics and Political Science](#) and [Paris Institute of Political Studies \(or Science Po Paris\)](#)
- Communication and Cognitive Neuroscience (Graduate)
- Experimental Research (Graduate)
- Communication and Cognition (Undergraduate)
- Research Methods in Communication Research (Undergraduate)
- Frontier Topics in Communication Research (Undergraduate)

### Santa Clara University

- Communication & Technology (Undergraduate)
- Quantitative Research Methods (Undergraduate)
- Media in a Global World (Undergraduate)

### Indiana University

#### *Graduate*

- Time Series Analysis (Online course designer)  
(Data Science Program, School of Informatics, Computing, and Engineering)

#### *Undergraduate*

- Race, Prejudice, and the Media (Instructor of Record)
- Media (Discussion Leader)
- Electronic Media Advertising (Associate Instructor & Guest Lecturer)
- Promotion and Marketing (Associate Instructor & Guest Lecturer)
- Introduction to Media Industries and Management (Associate Instructor)
- Introduction to Media and Society (Associate Instructor)
- Introduction to Sports Media (Associate Instructor)
- Telecommunications Processes and Effects (Associate Instructor)
- Audience Analysis (Associate Instructor)

## MEDIA EXPOSURE

---

2020      Interviewed and Research cited by the *Wall Street Journal*  
[“Why Does Zoom Exhaust You? Science Has an Answer”](#)  
 (pdf version upon request)

## PROFESSIONAL TRAINING

---

### Research Training:

The Advanced Training Institute — Nonlinear Methods for Psychological Sciences

American Psychological Association, 2017

Teaching Training:

ACUE Micro-Credential in Promoting Active Online Learning, issued by the Association of College and University Educators, 2020

This micro-credential signifies my completion of an ACUE course requiring the implementation of evidence-based instructional approaches. The credential is co-issued by the American Council on Education and distinguishes faculty for their commitment to educational excellence and student success.

## SERVICE

---

### To the Field

Secretary	Information Systems Division, International Communication Association (2022-present)
Editorial Board	Journalism Studies (a Top 4 Chinese Journal in Communication) 《新闻大学》
Ad hoc Reviewer	<i>Media Psychology</i> <i>Topics in Cognitive Science</i> <i>Annals of International Communication Association</i> <i>Scientific Report</i> <i>Journalism &amp; Mass Communication Quarterly</i> <i>Journalism</i> <i>Frontiers in Communication</i> <i>Frontiers in Behavioral Neuroscience</i> <i>Communication Studies</i> <i>Communication and Society</i> 《传播与社会学刊》
Conference organizer	ICA Shanghai hub ICA Panel chairs

### To the University

2022	Undergraduate Admission Committee (Oversea students), Fudan University
2016	Award Committee, Graduate Professional Student Government, Indiana University

### To the School

2022-present Graduate Search Committee Chair for [the London School of Economics and Political Science-Fudan Joint Graduate Program](#)  
Graduate Committee Member (Doctoral & Master's degrees)  
Undergraduate & Graduate Thesis Defend Committee

### PROFESSIONAL MEMBERSHIPS

---

2020-present Cognitive Science Society  
2018 - 2019 American Academy of Advertising (AAA)  
2017 - 2018 American Psychological Association (APA)  
2015 - present The Society for Psychophysiological Research (SPR)  
2014 - Present International Communication Association (ICA)  
2014 - Present Association for Education in Journalism and Mass Communication (AEJMC)  
2014 - Present Chinese Communication Association (CCA)