

# SOPHIA J. PAN, PHD

Principal Investigator / Assistant Research Fellow

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## — General Background —

### -- Education --

2018 Ph.D. | eLearning Division, Institute of Education, National Chiao Tung University, Taiwan

### -- Certification --

2022 Path2Integrity Certified Trainer

<https://www.path2integrity.eu>

2010 Information Technology Expert: e-Learning Design IT Expert

Issuer: Ministry of Economic Affairs

### -- Research Interest --

eLearning instructional design, development, and evaluation; research integrity and ethics education; research mentoring; scholarly publication ethics in the digital era

### -- Biography --

Dr. Pan is an assistant research fellow at the [Research Center for Humanities and Social Sciences](#) (RCHSS) at the National Yang Ming Chiao Tung University (NYCU), Taiwan. She has specific research interests in the best practices in ethics education, publication ethics in the digital era, and the challenges of supporting research integrity in the face of publication pressures (including the ethics of authorship and text recycling), particularly from an East Asian perspective.

Dr. Pan works with scholars in Taiwanese universities, research institutions, and government units and has broad responsibility for designing and implementing nationwide responsible conduct of research (RCR) training programs and conducting educational research. She has collaborated with the national research integrity educational program, the [Center for Taiwan Academic Research Ethics Education](#) (AREE) since the program was formally established in 2014 with the support of the Ministry of Education. In addition, Dr. Pan is a primary content contributor to the *Research Integrity Newsletter* published by the Office of Research Integrity, Ministry of Science and Technology, and the *Academic Integrity Newsletter* produced by the Ministry of Education. She also serves on the Board of Directors of the [Taiwan Association for Academic Ethics Education](#) (TAAEE).

Dr. Pan has published her research in journals such as *Science and Engineering Ethics* (international), *Ethics & Behavior* (international), *Journal of Educational Media & Library Sciences* (Taiwan), and *Journal of Library and Information Studies* (Taiwan) and has presented at the World Conference on Research Integrity (WCRI) and the Asia Pacific Research Integrity (APRI) Network Meeting, among others. Since July 2021, she has served on the Editorial Board of [Accountability in Research—Policies and Quality Assurance](#).

Dr. Pan completed her Ph.D. in Education (eLearning) at National Chiao Tung University, where she focused on developing and evaluating academic and research integrity education. She also received predoctoral and postdoctoral training at the [Research Ethics Program](#), University of California San Diego and the [Bioethics Research Center](#), Washington University School of Medicine in St. Louis.

## — Experience and Service —

### -- Experience (2016- ) --

- 2020-11 – present**    **Assistant Research Fellow** | Research Center for Humanities and Social Sciences, National Yang Ming Chiao Tung University
- 2020-08 – 2020-10    **Postdoctoral Researcher** | Research Center for Humanities and Social Sciences, National Chiao Tung University
- 2019-08 – 2020-06    **Postdoctoral Researcher** | Bioethics Research Center at the Department of Medicine, Washington University School of Medicine in St. Louis, USA
- 2018-11 – 2019-07    **Postdoctoral Researcher** | eLearning Division, Institute of Education, National Chiao Tung University
- 2016-04 – 2017-04    **Visiting Graduate Student** | Research Ethics Program at the Department of Pathology, University of California San Diego, USA

### -- Publishing Service (International) --

- 2021-07 – present**    **Editorial Board** | *Accountability in Research—Policies and Quality Assurance* (Covered in SCIE—Category of Medical Ethics)
- 2020 – present**        **Ad Hoc Peer Reviewer**, including  
*Science and Engineering Ethics* (Covered in SCIE—History & Philosophy of Science and SSCI—Ethics)  
*Open Research Europe* (A platform to Horizon 2020 by F1000 Research Limited on behalf of the European Commission)  
 SIG-Online Teaching and Learning, The Annual Meetings of the American Educational Research Association (AERA)

### -- Collaboration (International) --

- 2020-10 – present**    **Local Program Coordinator** | Path2Integrity Train-the-Trainers Program (Funded by the Horizon 2020, European Commission)  
<https://www.path2integrity.eu>

### -- Effective Membership --

- 2022-03 – present**    **Member** | American Educational Research Association (AERA) & AERA's special interest groups (SIGs): Instructional technology; Online teaching and learning; Technology, instruction, cognition, and learning
- 2022-03 – present**    **Member** | International Center for Academic Integrity (ICAI)
- 2020-08 – present**    **Director & Member** | Taiwan Association for Academic Ethics Education
- 2020-01 – present**    **Member** | Association for Practical and Professional Ethics (APPE), USA
- 2020-02 – present**    **Member & Contributor** | APPE Research Integrity Scholars-Educators (RISE) Consortium, USA

### -- Academic Service (Taiwan) --

- 2020-08 – present**    **Director** | Taiwan Association for Academic Ethics Education
- 2020-08 – present**    **Primary Author** | *Academic Integrity eNewsletter*, published by Department of Higher Education, Ministry of Education
- 2018-06 – present**    **Primary Author** | Research Integrity newsletter, Office of Research Integrity, Ministry of Science and Technology
- 2015-10 – present**    **Nationwide Lecturer of Research Integrity Training**

- 2014 – present** **Project Executive Secretary & Instructional Designer** | Center for Taiwan Academic Research Ethics Education, Ministry of Education of Taiwan
- 2018-11 – 2020-04 Draft Committee | *Taiwan Code of Conduct for Research Integrity 2020*, Published by University System of Taiwan (ISBN : 978-986-85735-3-6)

— **Honor and Award (2015- )** —

- 2017-05 Poster Award—Third Prize, Poster: *The changes to the institutional research climate before and after the implementation of a nationwide research ethics education project in Taiwan*, The 5<sup>th</sup> World Conference on Research Integrity 2017, Amsterdam, Netherlands
- 2017-04 2017 The 7<sup>th</sup> Annual Integrity Awards: Research Integrity Award—Graduate Student Recipient, University of California San Diego, USA
- 2015-05 Selected Attendee of the 1<sup>st</sup> Doctoral Forum, The 4<sup>th</sup> World Conference on Research Integrity 2015, Rio de Janeiro, Brazil (May 31<sup>st</sup>)

— **Research Projects** —

-- **Ongoing** --

- 2021 – 2023** *The best choice among all good options: Developing and implementing a research integrity curriculum focusing on fostering students' professional decision-making by using an educational digital storytelling strategy*  
Grant Program: Research Projects for Junior Researchers, Ministry of Science and Technology (MOST) of Taiwan

-- **Closed** --

- 2019 – 2020 *Serial study of mentorship instruction for early-career principal investigators: Needs assessment and design of interactive learning materials*  
Research Institution: Department of Medicine, Washington University School of Medicine in St. Louis  
Grant Program: Postdoctoral Research Abroad Program, Ministry of Science and Technology (MOST) of Taiwan
- 2016 – 2017 *The use of MOOCs for responsible conduct of research (RCR) education: The design and development of online Chinese instructional materials for higher-education students in Taiwan*  
Research Institution: Department of Pathology, UC San Diego  
Grant Program: Graduate Student Abroad Program, Ministry of Science and Technology (MOST) of Taiwan

— **Semester-Length Teaching** —

- 2022-02 – 2022-05** Academic Research Ethics: Principles and Case Studies (DWA1080) | Arete Honors Program, National Yang Ming Chiao Tung University, Taiwan
- 2021-09 – 2022-01 Academic Writing and Research Integrity | Self-Directed Learning Program, National Hsinchu Girls' Senior High School
- 2021-02 – 2021-06 Seminar in E-learning: Academic Writing and Integrity (IED5224) | Institute of Education, National Chiao Tung University

— **Publication (2015- )** —**-- Journal Papers--**

**Pan, S. J.-A.** (2022, In press). The publication ethics of preprints and preprints' influence on knowledge dissemination during the COVID-19 pandemic. *Journal of Educational Media & Library Sciences*, 59(1). [Published in Chinese with an extended abstract and supplementary slides in English]  
[Rank: Tier 1 Journal of Education in 2019 Taiwan Social Sciences Citation Index]

Chou, C., & **Pan, S. J.-A.**\* (2022, In press). Analyses of US National Science Foundation's suspected incidents of noncompliance in research: 1989—2019. *Journal of Library and Information Studies*, 20(1). <https://jlis.lis.ntu.edu.tw/files/journal/20220122-Pre1.pdf> \*corresponding author  
[Published in Chinese with an extended abstract in English]  
[Rank: Tier 1 Journal of Education in 2019 Taiwan Social Sciences Citation Index]

**Pan, S. J.-A.** (2021). Taiwanese and American graduate students' misconceptions regarding responsible conduct of research: A cross-national comparison using a two-tier test approach. *Science and Engineering Ethics*, 27, article 20. <https://doi.org/10.1007/s11948-021-00297-7>  
[IF: 3.525. Rank: 3/63, Top 4.76% of SCIE—History & Philosophy of Science in 2020 JCR; Rank: 9/56, Top 16.07% of SSCI—Ethics in 2020 JCR.]

**Pan, S. J.-A.**, & Chou, C. (2020). Taiwanese researchers' perceptions of questionable authorship practices: An exploratory study. *Science and Engineering Ethics*, 26, 1499–1530.  
<https://doi.org/10.1007/s11948-020-00180-x>  
[IF: 2.787. Rank: 2/63, Top 3.17% of SCIE—History & Philosophy of Science in 2019 JCR; Rank: 4/55, Top 7.27% of SSCI—Ethics in 2019 JCR.]

Chou, C., & **Pan, S. J.-A.** (2020). Self-plagiarism in academic writing: Concepts, cases, regulations, and best practices. *Journal of Library and Information Studies*, 18(2), 43–72.  
[http://doi.org/10.6182/jlis.202012\\_18\(2\).043](http://doi.org/10.6182/jlis.202012_18(2).043)  
[Published in Chinese with an extended abstract in English]  
[Rank: Tier 1 Journal of Education in 2019 Taiwan Social Sciences Citation Index]

Hsueh, M. L., **Pan, S. J.-A.**, & Chou, C. (2020). A preliminary investigation of Taiwanese researchers' (mis)understandings of academic ethics: Taking the reported cases relating to plagiarism, improper citations, and self-plagiarism by the Ministry of Science and Technology as examples. *Journal of Educational Media & Library Sciences*, 57(2), 149–185.  
[http://doi.org/10.6120/JoEMLS.202007\\_57\(2\).0042.RS.BM](http://doi.org/10.6120/JoEMLS.202007_57(2).0042.RS.BM)  
[Published in Chinese with an extended abstract and supplementary slides in English]  
[Rank: Tier 1 Journal of Education in 2019 Taiwan Social Sciences Citation Index]

**Pan, S. J.-A.**, & Chou, C. (2015). Using a two-tier test to examine Taiwanese graduate students' misunderstanding of responsible conduct of research. *Ethics & Behavior*, 25(6), 500–527.  
<http://doi.org/10.1080/10508422.2014.987921>  
[IF: 0.444, Rank: 39/52, Top 75% of SSCI—Ethics in 2014 JCR.]

**-- Commentary --**

Hsueh, M. L., **Pan, S. J.-A.**, & Chou, C. (2019). The development of assessment criteria for research misconduct. *Taiwan Educational Review Monthly*, 8 (12), 68–75. [Published in Chinese]  
<http://www.ater.org.tw/journal/article/8-12/free/01.pdf>

**-- Peer Review Report --**

**Pan, S. J.-A.** (September 14, 2021). Peer review report for: The development of a four-tier test to evaluate research integrity training [version 1; peer review: 1 approved]. *Open Research Europe*, 1:90.  
<https://doi.org/10.21956/openreseurope.14409.r27517>

-- **Book Chapters** --

Chou., C. (Editor) (2020). *Research integrity and academic ethics: Compass to the responsible conduct of research*. Higher Education Publishing. [Published in Chinese]

**Pan, S. J.-A.: Co-author of 8 chapters:**

Chapter 1: Introduction to Research Integrity: Definitions and Concepts

Chapter 2: Professional Norms and Personal Responsibility of Research Integrity

Chapter 3: Government Regulations and Policies of Research Integrity

Chapter 4: Research Misconduct: General Definitions and Types

Chapter 5: Research Misconduct: Fabrication and Falsification

Chapter 7: Self-Plagiarism: Unauthorized Duplicated Publication

Chapter 10: Definition and Principles of Scholarly Authorship

Chapter 11: Introduction to Research Data Management

— **Media Products** —

2021 Video: Degree Thesis—Integrity (**Pan, S. J.-A.: Screenwriter**)

[Filming in Chinese with English subtitles: <https://youtu.be/GBIAmLcfDbc>]

2020 Video: Piles of information—An introduction to ethical issues in research essay writing for high school students (**Pan, S. J.-A.: Screenwriter**)

[Filming in Chinese with English subtitles: <https://youtu.be/5J3h8MIY11w>]

### — Invited Talks (International) —

**Pan, S. J.-A.** (2022, forthcoming). *Teaching research integrity through what students have known: The implementation of educational diagnostic assessments*. Presented at the 7<sup>th</sup> World Conference on Research Integrity 2022, Cape Town, South Africa. May 29–June 1, 2022. **(Invited Plenary Keynote Speaker)**

**Pan, S. J.-A.** (2022, March). *Supporting research integrity administrators' professional decision-making: Taiwan's experience*. Presented at the 1<sup>st</sup> Inaugural Virtual International Convention for Research Administrators (VICRA), Society of Research Administrators International (SRAI), Virginia, USA [virtual conference]. March 1–3, 2022. **(Invited Speaker)**

**Pan, S. J.-A.** (2021, February). *Preventing research misconduct through education: The 2020 plagiarism case*. Presented at the 4<sup>th</sup> 2021 Asia Pacific Research Integrity (APRI) Network Meeting, Seoul, Korea [virtual conference]. February 25, 2021. <https://doi.org/10.5281/zenodo.6352231> **(Invited Plenary Session Speaker)**

### — Conference Presentation (International; 2016– ) —

**Pan, S. J.-A.** (2020, February). *The first decade of RCR education in Taiwan: Reflection from an early-career scholar*. Presented at the Responsible Conduct of Research Education Panel, The 29<sup>th</sup> Annual APPE (Association for Practical and Professional Ethics) International Conference, Atlanta, GA. February 20–23, 2020.

**Pan, S. J.-A.**, & Chou, C. (2019, June). *Taiwanese and US graduate students' alternative concepts of responsible conduct of research: A comparison study*. Paper presented at the 6<sup>th</sup> World Conference on Research Integrity (WCRI), Hong Kong. June 2–5, 2019.

Chou, C., **Pan, S. J.-A.**, & Kao, C.-L. (2019, June). *Perception of research integrity on Taiwan university campuses: A comparison of administrators, faculties, and students*. Paper presented at the 6<sup>th</sup> World Conference on Research Integrity (WCRI), Hong Kong. June 2–5, 2019.

**Pan, S. J.-A.**, Chou, C., & Kao, C.-L. (2017, May). *The changes to the institutional research climate before and after the implementation of a nationwide research ethics education project in Taiwan*. Poster presented at the 5<sup>th</sup> World Conference on Research Integrity (WCRI), Amsterdam, Netherlands. May 28–31, 2017. **(Poster Award: Third Prize)**

Chou, C., **Pan, S. J.-A.**, & Lin C.-H. (2017, May). *Can humorous visuals enhance college students' learning performance and interest in research ethics?* Paper presented at the 5<sup>th</sup> World Conference on Research Integrity (WCRI), Amsterdam, Netherlands. May 28–31, 2017.

Chou, C., **Pan, S. J.-A.**, & Kao, C.-L. (2017, Feb). *Evidence-based development of a research ethics course in Taiwan*. Paper presented at the 3<sup>rd</sup> 2017 Asia Pacific Research Integrity (APRI) Network Meeting, Hong Kong. February 20–22, 2017.

**Pan, S. J.-A.**, & Chou, C. (2016, July). *Graduate students' attitudes toward academic integrity (AI): The perceptions of social needs, involvement of AI issues, and support of misconduct-prevented actions*. The 31<sup>st</sup> International Congress of Psychology, Yokohama, Japan. July 24–29, 2016. Abstract was published in Special Issue: International Journal of Psychology, 51(S1), 571.

### — Affiliated Organizations & Membership —

國立陽明交通大學  
NATIONAL YANG MING CHIAO TUNG UNIVERSITY

AREE 臺灣學術倫理教育資源中心  
Center for Taiwan Academic Research Ethics Education

APPE & RISE  
ASSOCIATION FOR PRACTICAL AND PROFESSIONAL ETHICS  
ASSOCIATION FOR PRACTICAL AND PROFESSIONAL ETHICS  
Research Integrity Scholars and Educators

AERA  
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION  
FOUNDED 1916

ICAI  
International Center for Academic Integrity

— End —