# Shiang-Kwei (Ellen) Wang, Ph.D.

Vice President for Academic Affairs and Provost
Hostos Community College, CUNY

## SKILLS

Financial Acumen · Analytical Skills · Data Informed Decision Making · Visionary Leadership · Strategic Planning and Execution · Talent Management and Development · Collaboration and Team-Building · Community Engagement · Fundraising and Resource Development · Technology Integration · Research · Crisis Management · Adaptability and Innovation · Emotional Intelligence

## ADMINISTRATIVE EXPERIENCE

- Spring 2022 -present: Vice President for Academic Affairs and Provost, Hostos Community College, CUNY
- Fall 2020 – Spring 2022: Vice President, Academic and Student Affairs, Harold Washington College, City Colleges of Chicago
- Fall 2018- August 2020: Dean for Research, Queensborough Community College, CUNY
- 2014-2018: Associate Dean, School of Interdisciplinary Studies and Education, Professor, New York Institute of Technology
- 2013-2014: Chair, Master of Science in Instructional Technology, School of Education, Associate professor, New York Institute of Technology.
- 2010-2016: Principle Investigator, Collaborative Research: Cyber-enabled Learning: Digital Natives in Integrated Scientific Inquiry Classrooms, Funded by National Science Foundation (Award number DRK- 12 1020091. $1,000,000)

## MAJOR LEADERSHIP ACCOMPLISHMENTS

**Vice President for Academic Affairs and Provost, Hostos Community College, CUNY (SP 2022-present)**
Provides academic and strategic leadership, direction, plans, priorities and policy for academic programs; faculty recruitment, development, evaluation, retention; promotion of student learning and excellence in teaching; support faculty and student research, examine the organizational structure and streamline roles and responsibilities. Manage over 44 million budgets. Major accomplishments:

- Increased enrollment, Enrollment: An 11% increase in headcount and a 15% increase in FTE from Fall 2022 to Fall 2024; the one-year retention rate improved from 65% (Fall 2022) to 78% (Fall 2024).
- Increased grant awards from $4 million in FY 2021-2022 to over $12 million in FY 2024-2025.
- Assessed equity gap through leading the Academic Master Plan and College Strategic Plan to propose activities to address the gap.
- Reduced deficit by redesigning course scheduling and prioritizing resources to support strategic programs.
- Successfully completed the accreditation process with the Middle States Commission on Higher Education in Spring 2022, and accreditation was reaffirmed without recommendations.
- Hostos is selected as one of 10 finalists for the 2023 Aspen Prize for Community College Excellence.
- Hostos is selected as one of the six winners of the inaugural Postsecondary Success Recognition Program (PSRP) award recognized by Department of Education in Spring 2025.

- Launched Hostos Online to offer fully online programs.
- Launched the ACUE training for 90 faculty to learn effective pedagogical practices in multiple modalities.
- Obtained the Title V Grant (2023 to 2028), $3 million; obtained a $1 million earmark grant from Congressman Ritchie Torres; obtained a $850,000 earmark grant to support program development; Increased award received from $4 million (FY21-22) to $13 million (FY24-25).
- Launched the annual student undergraduate research symposium.
- Launched the reform of the First Year Experience (FYE) program.
- Launched the initiative to use EAB Navigate to implement a predictive data analytics model, increasing our capacity to support students.
- Launched several Industry Summits and PERKINS Advisory Council to establish partnerships with industries and engaged potential donors.
- Established Prior Learning Assessment/Credit for Prior Learning Office to support the initiative to create a pathway between non-credit and credit programs and develop pipelines.
- New programs developed under my leadership, including Cybersecurity (AA), Science Education (AA), Construction Management (AAS), and Art Administration (Liberal Arts AA option).
- Established multiple agreements with universities in Puerto Rico and Taiwan to provide students opportunities to study abroad and build global skills and perspectives through immersive and experiential learning.
- Led a project with the support of Academic Departments, Career Services, and CEWD to develop clear educational and career pathways for each Career and Technical Education Program.
- Strengthened communication with shared governance units, including the Union and faculty senate.

**VP, Academic and Student Affairs, Harold Washington College, City Colleges of Chicago (FA2020 - SP2022):** Manage over 30 million budgets. Major accomplishments:

- Received over five million grants from federal, state, and private sectors.
- Developed the Academic Master plan to respond to the post-COVID-19 teaching/learning environment.
- Developed the Center of Excellence in Business to develop credit and non-credit programs to provide workforce and entrepreneurship training for students, business owners, and adult learners.
- Expanded and strengthened partnerships with industry, community, and government organizations.
- Developed the HWC online program five-year strategic plan.
- Developed the undocumented student support project.
- Led the initiative to reform the First Year Experience program and developmental education.
- Led the HWC equity plan initiatives.
- Led the implementation of the HWC five-year strategic plan.
- Established multiple agreements with universities in Taiwan and China to provide students opportunities to study abroad.
- Identified new constituencies to serve, including stackable credential and workforce training programs.
- Led the institutional effort to improve student persistence, retention, and completion.
- Engaged faculty by providing a shared governance structure.

**Dean for Research, Queensborough Community College, CUNY (**FA **2018 - August 2020):** Manage over 5 million budget (operating budget and grants). Major accomplishments:

- Obtained the QCC Title V Grant, $2,997,314 (2020-2025), titled "Leveraging Faculty Development and Supplemental Instruction to Enhance the First-Year Experience and Beyond: An Integrated Strategy to Improve Retention and Graduation Rates for Hispanic and Low-Income Students at Queensborough Community College."
- Increased award received from $3.7 million (2018) to $4.4 million (2020).
- Collaborated with CUNY Central Office and CUNY Campuses to develop research strategic plans and policies.
- Established the Office of Research and Research Committee to strengthen communication with faculty.
- Developed institutional research compliance and ethical related policies (e.g., indirect incentive, Biosafety; Export Control, Conflict of Interests).
- Hosted the QCC Undergraduate Research Day and the Spring Student Symposium annual events to promote student research and interdisciplinary scholarly outcomes.
- Participated in the development of the QCC Academic Master Plan.
- Established scholarship opportunities through collaboration with the Office of Advancement (H.E. Steele Excellence in the Arts Endowment and Norman L. Hill Excellence in STEM Endowment, totaling $75,000).
- Led faculty, staff, and administrators to submit several major institutional grants (DOE Title V, NSF STEM Ethics, Financial literacy for ST 100 course).
- Established connections with industrial partners (in cybersecurity and health science fields).
- Facilitated the design of stackable credential programs (Cybersecurity) to benefit adult learners, special populations, and provide work-based learning experiences to our students through collaboration with industrial partners and the Office of Continuing Education and Workforce Development.

**Associate Dean, School of Interdisciplinary Studies and Education, NYIT (FA 2014- SP 2018):** Manage over 4 million budget. Areas that are under my supervision: Budget Planning and Personnel, Administrative Council, Curriculum Committee, Accreditation and Assessment Committee, Graduate Student Scholarship Awards, Student Recruitment, Retention and Graduation, Advisory Board Meetings, School Partnerships, and Director of Field Placement and Certification. Major accomplishments:

- Developed and implemented a five-year strategic plan.
- Facilitated the design and approval of new programs based on workforce data.
- Maintained over an 85% teacher certification passing rate across all programs.
- Secured the US News top ranking for online education programs.
- Established the Office of Assessment and Accreditation to lead accreditation processes.
- Led the preparation of CAEP accreditation self-study, and the preparation of program-level self-studies (including ISTE, ELCC, ACEI, NAEYC).
- Established and expanded partnerships.
- Established internship opportunities through connections with industrial partners.
- Established the School of Education Alumni Association to maintain relationships with graduates.
- Obtained over $200,000 in non-tuition revenue through gifts, workshops, contracts, and professional developments.
- Led the capital project to establish the STEAM lab and developed/delivered STEM-related professional development workshops.
- Increased enrollment in School of Education programs (35% increase from 2015 to 2018).

- Led the NYIT Instructional Technology global program accreditation report review in Vancouver and Abu Dhabi campuses.
- Initiated the School of Education social media promotional activities and marketing activities.

## EDUCATION

- **Ph.D**., Instructional Technology, the University of Georgia.
- **M.B.A.**, Management, Yuan-Ze University, Taiwan.
- **B.S.**, Educational Media and Library Science, Tamkang University, Taiwan.

## CERTIFICATION

- Certificate of Completion, Education Technology, Services, and Research's New Provost Intensive Training Program, 2021
- Gamification, Coursera verified certificates, License L8H436CBMP, April 2014
- Computational Thinking for Educators offered by Google CS Education Programs, Certificate of Completion, November, 2015
- NASA Lunar/Meteorite Sample Disk Certification, NSAS certified trainer, 2016
- NASA Minority University Research Education Projects (MUREP), 2016 NASA Glenn Research Center MEI Pre-Service Institute, NASA certified trainer, August 5, 2016

## TEACHING EXPERIENCE

- 2014 – 2018, Professor, M.S. in Instructional Technology, NYIT
- 2009 – 2014, Associate Professor, M.S. in Instructional Technology, NYIT
- 2003 – 2009, Assistant Professor, M.S. in Instructional Technology, NYIT

## RESEARCH EXPERTISE

- Pedagogical research and learning motivation
- STEAM (Science, Technology, Engineering, Arts and Mathematics) Education
- Online teaching, technology integration, game-based learning and gamification
- Digital natives, digital literacy and transferrable skills
- Faculty professional development
- Higher education administration, teacher education and urban education
- Data analytic and research

## SELECTED PUBLICATIONS

- Wang, S.-K. & Fabrizio, A. (2024). Navigating AI on Your Campus: Faculty Support, Professional Development, and Syllabus Guidance, Higher Ed Jobs, July 29th, 2024
- Petersen, J., Franco, M. M., Lall-Ramnarine, S. & Wang, S-K. (2022). Institutionalization and Sustainability of Undergraduate Research Across Disciplines at a Public, Urban Community College: Successes and Challenges. *Scholarship and Practice of Undergraduate Research*.
- Campbell, T., Longhurst, M. L., Wang, S.-K., Hsu, H.-Y., & Coster, D. C. (2015). Technologies and reformed-based science instruction: The examination of a professional development model focused on supporting science teaching and learning with technology. *Journal of Science Education and Technology,* 24(5), 562-579.
- Wang, S.-K., Hsu, H.-Y., Campbell, T., Coster, D. & Longhurst, M. (2014). An Investigation of Middle School Science Teachers and Students Use of Technology Inside and Outside of Classrooms: Considering whether digital natives are more technology savvy than their teachers. *Educational Technology Research & Development,* DOI 10.1007/s11423-014-9355-4 (***This**

**article is selected by the Springer's Journal publisher press release.**)

- Wang, S.-K., Hsu, H.-Y., Reeves, T., & Coster, D. (2014). Professional Development to Enhance Teachers' Practices in Using Information and Communication Technologies (ICTs) as Cognitive Tools: Lessons Learned from a Design-Based Research Study. *Computers & Education*, 79, 101-115. DOI: 10.1016/j.compedu.2014.07.006
- Wang, S.-K. Hsu, H.-Y. & Jean Posada. (2014). Use of Google Earth, Cyber Databases, and Geotagged Photos to Enhance Students' Scientific Practices and Understanding. *Science Scope*, 37(6), 37-42.
- Wang, S.-K., Hsu, H.-Y., & Green, S. (2013). Using social networking site to facilitate teaching and learning in science classroom. *Science Scope*, 36(7), 74-80.
- Hsu, H.-Y., Wang, S.-K. & Runco, L. (2013). Middle school science teachers' confidence and pedagogical practice of new literacy. *Journal of Science Education and Technology*, 22(3), p.314-324,
  DOI: 10.1007/s10956-012-9395-7
- Hsu, H.-Y. & Wang, S.-K. (2011). The impact of using blogs on college students' reading comprehension and learning motivation, *Literacy Research and Instruction*, 50(1), p.68-88.
- Campbell, T., Wang, S.-K., Hsu, H.-Y., Duffy, A., & Wolf, P. (2010). Learning with web Tools, simulations, and other technologies in science classrooms. *Journal of Science Education & Technology*, 19(5), 505-511.
- Wang, S.-K. (2010). Effects of playing a history-simulation game: Romance of Three Kingdoms. *International Journal of Gaming and Computer-Mediated Simulations*, 2(2), p.35-56.
- Hsu, H.-Y. & Wang, S.-K. (2010). Using gaming literacies to cultivate new literacies. *Simulation and Gaming*, 41(3), 400-417.
- Wang, S.-K. & Hsu, H.-Y. (2009). Using the ADDIE model to design Second Life activities for online learners, *TechTrend*, 53(6), 76-81.
- Wang, S.-K. & Hsu, H.-Y., (2008). Use of the webinar tool to support training: the effects of webinar- learning implementation from trainers' perspective, *Journal of Online Interactive Learning*, 7(3), 175-194.
- Wang, S.-K. & Hsu, H.-Y. (2008). Reflection from using blogs to expand in-class discussion, *TechTrend*,
  52(3), 81-85
- Hsu, H.-Y., Wang, S.-K., & Comac, L. (2008). Using audioblogs to assist English anguage learning: an investigation into student perception, *Computer Assisted Language Learning,* 21(2), 181-198
- Wang, S.-K. (2008). The effects of a synchronous communication tool (Yahoo messenger) on online learners' sense of community and their multimedia authoring skills, *Journal of Interactive Online Learning*, 7(1), 59-74
- McPherson, S., Wang, S.-K., Hsu, H.-Y., (2007) New literacies instruction in teacher education, *TechTrend*, 51(5), 24-31.
- Wang, S.-K. & Reeves, T.C. (2006). The effects of a web-based learning environment on student motivation in a high school earth science course, *Educational Technology Research & Development*, 54(6), 597-621
- Wang, S.-K. (2006), Learning hands-on skills in an online environment: the effectiveness of streaming demonstration animation, *Journal of Interactive Online Learning*, 5(1), available online:
  [http://www.ncolr.org/jiol/issues/viewarticle.cfm?volID=5&IssueID=16&ArticleID=74]

- Wang, S.-K. & Yang, C.-C. (2005). The interface design and the usability testing of a fossilization web- based learning environment, *Journal of Science Education and Technology*, 14(3), 305-313.

## MEDIA INTERVIEWS

- Complete College America Offers Playbook on How Higher Education Can Bolster Civic Engagement, Diverse. (Nov 14, 2024),
- A Multifaceted Leader: Provost Shiang-Kwei Wang's Journey from Taiwan to the South Bronx. Hostos Communication Office (February 1, 2024)
- Shaughnessy, M. F.; Kennedy, C. A. K. (2015). An interview with Shiang-Kwei Wang: Digital Immigrants versus digital natives, *International Journal of Academic Research in Education*, 1(1), available: http://dergipark.ulakbim.gov.tr/ijare/article/view/5000105582
- Kids know more about tech than teachers? Not so fast, says new study. NBC Today News. http://www.today.com/money/kids-know-more-about-tech-teachers-false-says-new-study-1D80230631
- Reports: Teachers better at using tech than digital native students (October 22, 2014). T.H.E. Journal. (http://thejournal.com/articles/2014/10/22/report-teachers-better-at-using-tech-than-digital-native- students.aspx)
- Study: teachers, not digital natives students, better with classroom tech (October 2, 2014). U.S. News.
- The educational perspectives between of China and U.S. (October 9. 2011). New York, SINO Television, TV series episode.
- Preparing public school teachers to integrate technology into science classroom. (January 11, 2011). New York, World Journal. News Paper Report.
- Gaming literacies and Education. (April, 2011). New York Institute of Technology Campus TV.

## SELECTED FUNDED GRANTS

- Obtain the earmark congressional grant (2024-2025), $300,000, Bronx AI Initiative
- Obtain and manage Hostos Title V Grant, 3 million (2023 – 2028)
- Obtain and manage the earmark congressional grant (2023-2026), 1 million
- PI: 2021-2022: Illinois Community College Board Workforce Equity Initiative Grant, $750,000
- PI: QCC Title V Grant, $2,997,314 (2020-2025)
- PI: 2020 -2021: Summer Start: ICCB Developmental Education Innovation Grant, $89,203
- PI: 2020-2024: Bank of America TechQuity Chicago Grant, $1,000,000
- PI: 2020- Present: HWC PERKINS Title IV Grant: $92,500
- PI: 2018- 2020SP - CUNY QCC PERKINS Title IV Grant, $1,140,000
- PI: 2020-2025 – CUNY QCC NYS Department of Education Science and Technology Entry Program (STEP) Grant, $800,000
- Developed the NSF Robert Noyce Teacher Scholarship Grant for NYIT Teacher Education Department and received award $1.2 million in April 2019
- CO-PI, 2018-2019 – NYS DOE Teacher Professional Development Grant, $50,000
- PI: "Collaborative Research: Cyber-enabled Learning: Digital Natives in Integrated Scientific Inquiry Classrooms", Funded by National Science Foundation (Award number DRK-12 1020091. $1,000,000), 2010-2015

**SELECTED PRESENTATIONS**

- Wang, S.-K., Fabrizio, A., and He, Y. (2025). Enhancing Faculty and Administrative Tasks with ChatGPT. American Association of Community Colleges, April 11-14, Nashville, TN.
- Wang, S.-K., and Audant. B. (2025). Engaging Community Partnerships through Industry Summits, April 11-14, Nashville, TN.
- Wang, S.-K., Fabrizio, A. (2024). The Impact of Generative AI on College Academic Policies and Pedagogical practices. American Association of Community Colleges, April 5-9, Louisville, KY.
- Wang, S.-K. (2023) From Classrooms to Careers. CUNY Learning Series Presentation.
- Wang, S.-K. (2023). Strategies to Integrate Career Services into All Majors. American Association of Community Colleges, April 1 – 4, 2023, Denver, CO.
- Wang, S.-K., Wilson, A, & Vargas, P. (2021). Harold Washington: Piloting an Institution-wide Improvement Effort. CCC Impact Summit: Equity in Education – Overcoming the Divide, April 15-16, 2021.
- Wang, S.-K., Hsu, H.-Y., & Ahn, M. (2020). Examining the Effects of Playing Video Games on Creative Thinking. Paper presented at the 2020 CUNY Game Conference, New York.
- Wang, S.-K. (2018) Design Thinking in Teacher Education. The Third UNESCO SDG-4 Annual Conference, New York.
- Hsu, H.-Y., Kim, P, Heidemeier, H. & Wang, S.-K. (2018). *Impact of Student-Generated Questioning Practices on Science and Literacy Learning*. Paper presented at the 2018 World Conference on E-Learning annual presentation, Las Vegas, NV.
- Wang, S.,K., Hsu, H.-Y., Reeves, T. C., & Coster, D. (2015). *Professional development to enhance teachers' practices in using information and communication technologies (ICTs) as cognitive tools:*
  *Lessons learned from a design-based research study*. Paper presented at the 2015 Annual Conference of the American Educational Research Association, Chicago, IL.
- Campbell, T., Wang, S.-K., Hsu, H.-Y., Coster, D., & Longhurst, M. (2015). *Reformed-based Science Instruction: The impact of professional development on teacher self-efficacy and classroom practice and student motivation and achievement*. Paper presented at the 2015 Annual Conference of the American Educational Research Association, Chicago, IL.
- Hsu, H.-Y. & Wang, S.-K. (2014). *Audioblogs and mobile devices to assist English language learning*. Paper presented at the International Society for Technology in Education annual conference, Atlanta, GA.
- Wang, S.-K., Hsu, H.-Y., Campbell, T., Coster, D., & Longhurst (2014). *Investigation of Middle School Science Teachers' and Students' Use of Technology Inside and Outside of Classrooms*. Paper presented at the 2014 Annual Conference of the American Educational Research Association, Philadelphia, PA.
- Wang, S.-K., Hsu, H.-Y., Gienau, J., & Powers, E. (2013). *Use a Social Networking Tool to Facilitate Scientific Skills and New Literacies*. Paper presented at the 2013 National Science Teachers Association Area Conference, Charlotte, NC.
- Wang, S.-K., Hsu, H.-Y., Gienau, J., & Powers, E. (2013). *Using cyber databases and Google Earth to conduct inquiry in learning evolution theory*. Paper presented at the 2013 New York State Association for Computer and Technologies in Education, Hudson River.
- Wang, S.-K., Hsu, H.-Y., & Runco, L. (2013). *Influence of teachers' self-efficacy in inquiry-based instruction and their classroom practices on students' learning motivation*. Poster presented at the 2013 Annual Conference of the American Educational Research Association, San

Francisco, CA.

- Wang, S.-K. (2011, Nov). *Explore the use of mobile devices to conduct teacher professional development*. Present presented at the Association for Educational Communications and Technology, Jacksonville, FL.
- Wang, S.-K. (2010, May). *Informal learning effects of playing a history-simulation game: Romance of three kingdoms*. Paper presented at the Annual Conference of the American Educational Research Association, Denver, CO.
- Wang, S.-K. (2008, Nov). *The effect of the implementation of webinar learning from student-trainers' perspective*. Paper presented at the 2008 World Conference on E-Learning in Corporate Government, Healthcare, & Higher Education, Las Vegas, NV.
- Wang, S.-K. & Hsu, H.-Y. (2008, Nov). *Using ADDIE model to design second life activities for online learners.* Paper presented at the 2008 World Conference on E-Learning in Corporate Government, Healthcare, & Higher Education, Las Vegas, NV.

## SELECTED AWARDS

- "Top 2024 Power of Diversity: Asian 100" by City & State New York, 2024
- United Federation of Fil-Am Educators (UNIFFIED) National Award, Outstanding Leadership in Education, 2020
- Annual HBCU Affordable Learning Summit (OLC Innovate 2020 conference) Scholarship, 2020
- Outstanding Service Award, by the Chinese American Academic & Professional Society (CAAPS) in August 2017
- Outstanding paper award of the 2013 e-Learn conference, Hsu, H.-Y., & Wang, S.-K. Enhancing scientific inquiry and practicing new literacy skills through ICTs and Mobile Device. 2013 World Conference on E- Learning, Las Vegas, NV.
- School of Education Dean's Award for Outstanding Scholarship, 2013
- "Global literacy: comparing Chinese and US high school students", Emerald Literati Network Outstanding Paper Award, 2011

## TEACHING

- Foundation of Educational (Teacher Education program, graduate level, NYIT)
- Multimedia Authoring (MSIT program, graduate level, NYIT)
- Interactive Courseware Design for Trainers (MSIT trainers' program, graduate level, NYIT)
- Survey of Instructional Technology (MSIT trainers' program, graduate level, NYIT)
- Educational Robotic Programming (Early Childhood Education program, graduate level, NYIT)
- Mobile Learning (MSIT trainers' program, graduate level, NYIT)
- Gaming and Virtual Reality Learning Environments (MSIT trainers' program, graduate level, NYIT)
- Institute in Education (Teacher Education program, curriculum emphasizing K-8 robotic programming and 3D printing teaching, graduate level, NYIT)

## CURRICULUM DEVELOPMENT

- Co-designed and developed the MOOC: Gaming Literacy and Learning, Canvas Network (Online)
- Developed the Educational Robotic Programming course for the NYIT Teacher Education program (Online and face-to-face)
- Developed the Advanced Certificate of the Instructional Design for NYIT Global eLearning Certificate and the Emerging Technologies for Training Certificate (Online and face-to-face)
- Developed the two NYIT graduate level courses: EDTR 670 Mobile Learning, EDTR 671 Gaming and Virtual Reality Learning Environments (Online and face-to-face)