

Leadership and Administrative Positions

BUILD-IT Project Director (Oct 2015 – present)

Associate Director of Curricular Innovation, Arizona State University (12/2011 – present)

Ira A Fulton Schools of Engineering Arizona State University

- Development and leadership roles in international partnerships with academic institutions, governments, and corporations.
- Expert trainer in leadership and strategy, assessment and evaluation, curriculum and instructional pedagogy.
- Leader in program assessment and evaluation for sponsored projects and assessment and accreditation training for academic programs at partner universities.
- Portfolio includes over \$25M in award, partner contributions and in-kind resources. Selected sponsored projects include:

Building University-Industry Learning and Development through Innovation and Technology (BUILD-IT) Alliance

USAID Global Development Alliance (GDA), Vietnam; \$10.8M

Project Director/Co-PI; Monitoring and Evaluation lead; Proposal co-author,

Vietnam Higher Engineering Education Alliance Program (HEEAP) –USAID Vietnam, Intel Partnership; \$12M

Directs Monitoring and Evaluation; Workshop development and training,

Vocational and University Leadership and Innovation Institute (VULII) – USAID Vietnam, \$2.4M

Assistant Director-Monitoring and Evaluation; Quality Assurance, Accreditation and Leadership workshop development and training

Leadership in Engineering Education Accreditation Program (LEEAP) – USAID Indonesia, \$186K

Director of Special Initiative – Chemonics International – HELM Subcontract Award,

Quality Assurance, Accreditation and Leadership workshop development and training.

Young Southeast Asian Leaders Initiative (YSEALI) – US State Department (multiple awards)

Monitoring and Evaluation Lead

- Negotiated MOUs, partner agreements, and project agreements, with multi-national industries, foreign ministry offices, and foreign academic entries, including eleven Vietnamese university partners and global corporate entities including Pearson Education, Wiley Publishing, Amazon Web Service, Oracle Academy, Autodesk, and Vietnamese National Accreditation Centers- Ministry of Education and Training.
- Lead BUILD-IT global project team (over 20 faculty, U.S. based and foreign staff) across eight project sub-teams reaching over 6000 participants in four years (over 30% female). Oversees work plan integrating project activities of 11 university partners, more than ten industry partners and local and national government. Oversees three subcontracts to U.S. and foreign Universities.
- Directed subcontract for Chemonics Higher Education Leadership & Management (HELM); partnered with HELM in-country team to develop and deliver a one year capacity building special initiative to improve workforce readiness in Indonesia through higher education quality improvement.
- Developed and conducted training in the following: instructional pedagogy for using teaming, active and project based learning, leadership development for academic leadership, measurement and evaluation for achievement of organizational goals, quality assurance for continuous improvement, assessment and international recognition and accreditation (AUN-QA, ABET). Provides follow-up coaching to workshop participants to facilitate progress toward their institutional goals.
- Oversee partnership with three top Vietnamese engineering and technical universities to develop and implement in-country based sustainable train-the-trainer model to institutionalize project core values.
- Recognized by United States Agency for International Development (USAID) for best practices in project monitoring and evaluation.
- Supervise team of US and foreign staff.
- Facilitated Intel Corporation (U.S. based) collaboration to design and implement accelerated B.S. Engineering degree completion cohort model.
- Invited Speaker for in-country workshops and conferences. Develops and delivers workshops and training for variety of stakeholders (faculty, quality assurance professionals, academic leadership, foreign government etc.).
- ABET Assessment trained (IDEAL Institute for the Development of Excellence in Assessment Leadership) 2014.
- Oversaw university assessment reporting, college data analysis functions and development of custom analytical tools for planning and decision-making; College of Technology and Innovation.
- Advised senior academic leadership in new program offerings within academic units.

Director, Academic Transfer Articulation, Arizona State University (1/ 2006 - 12/2011)

- Integrated three ASU campuses, with independent curriculum processes, under a single, unified, articulation system.
- Facilitated curriculum partnership agreements and transfer articulation agreements in over 40 academic disciplines and more than 20 university and college institutional partners, including two Arizona tribal colleges.
- Leadership roles in statewide articulation steering committees for over ten years including development of first statewide seamless transfer agreement, in Business Administration.
- Developed ASU and statewide faculty orientation and training materials.
- Supervised team of four university staff and lead statewide team of over 30 academic leaders.
- Representative to University Curriculum and Academic Programs Committees and General Studies Council.

Faculty and Program Administration Positions

Faculty - Lecturer, School of Accountancy,

W. P. Carey School of Business, Arizona State University (8/2000 –12/2005)

- Instruction for undergraduate financial and managerial accounting; supervision of honors projects.
- Facilitated the participation of business and industry professionals in mock board presentations for advanced strategic management accounting students.
- Co-developed software for web based testing and assessment.
- Supervised and trained team of graduate assistants (6-10 per year)
- W.P. Carey representative to statewide Articulation Task Force (member and chair roles).
- College representative General Studies Council.

Faculty and Program Chair Coconino Community College (1994 – 2000)

Faculty – Associate (8/1991 - 7/1994)

- Founding faculty member for new institution with leadership roles in development of curriculum and academic policy, and institutional strategic planning.
- Led first regional accreditation; Higher Learning Commission (NCA-HLC) Self-Study Co-Chair.
- Program Chair with oversight for multiple disciplines; supervised over 20 associate and full-time faculty (business, accounting, economics, hospitality and administration of justice).
- Founded and chaired first Occupational Professional Advisory Council.
- Chaired statewide Articulation Task Force (ATF) and led participants in the creation of the statewide Business transfer degree.

Additional Faculty Associate Appointments

Center for Excellence in Education, Northern Arizona University (8/1999 – 12/1999)

College of Business Administration, Northern Arizona University (8/92 – 7/93, 8/99 - 2/99)

College of Communication and Creative Arts, Northern Arizona University (8/1990 – 5/1991)

School of Hotel & Restaurant Mgt, Northern Arizona University -Assistant Director of Advisement, 7/1990 – 5/1991

Recognition

2015 Presidents Award for Innovation (ASU) Recognized member of the HEEAP team

2012 President's Award for Social Embeddedness (ASU) Recognized member of the Teaching Foundations Project team

Education

Doctorate, Educational Leadership (EdD) 1997

Northern Arizona University (Flagstaff, Arizona)

Higher Education administration, multivariate statistics, statistical modeling; qualitative research methods

Masters, Business Administration (MBA) 1991 and Masters, Education (M.Ed.) 1991

Northern Arizona University (Flagstaff, Arizona)

Degrees earned concurrently

Bachelor of Science, Business Administration 1988

Arizona State University (Tempe, Arizona)

University of London

Attended 1986 – program in *International business - marketing and management*;

University of Arizona (Tucson, Arizona),

Attended 1984-86; *undergraduate coursework in physics, mathematics, and computer science.*

Selected Service Activities

Professional Service and Conference Roles

STEM Higher Education for Mekong Delta Development, Can Tho University, Vietnam. Conference Co-Chair and Reviewer
Vietnam National Qualification Framework Conference, Co-Chair Nha Trang University, Vietnam. June 2017. Co-Chair
American Society for Engineering Education (ASEE) (member 2014- present)
American Society of Women Accountants (Regional Director 2003-2005; President 1999 – 2000; President Elect 1998-99;
Southwest Area Conference, Planning Committee 2001)

Strategic Planning and Accreditation

Strategic Plan College Co-Chair, Coconino Community College (Fall 98 – Spring 99)
NCA Self Study – Executive Steering Committee, Coconino Community College (1999- 2000); Co-Chair (Spring 95 - Fall 95)

Executive Search Committees

Presidential Search Committee Member, Coconino Community College (Spring 99)
Vice President for Administrative Support, Coconino Community College (Fall 98).
Assistant Dean of Instruction, Coconino Community College (Fall 1993).

Curriculum and Academic Affairs

University Provosts Academic Council, Arizona State University (2009 - 2011)
Curriculum Action Programs Committee, Arizona State University (2006 - 2011)
University General Studies Council, Arizona State University (2004- 2011)

Articulation Statewide Committees

Academic Program Articulation Steering Committee (APASC); member (2006-2009)
Arizona Transfer Articulation Committee (ATAC). Member (2006 – 2011); Co-chair (Fall 09- 2011)
General Education Articulation Task Force (GEATF) Member (2006 – 2011)
Business Articulation Task Force: member (1994- 2006); Three terms as Chair.

Publications

Wigal, Kathy. *Higher Education Quality in Vietnam: A Sustainable Faculty Development Model*. Conference Proceedings: International Scientific Conference for Mekong Delta Development, Can Tho University, November 2017.

Wigal, Kathy. *Higher Education Quality in Vietnam: Observations from a Program Development Perspective*. Journal of Education Management Science. Institute of Educational Managers Ho Chi Minh City, Ministry of Education and Training, June 2017. Article also appears in the Conference Proceedings: Vietnam National Qualification Framework and Curriculum Development in Higher Education, Nha Trang University, June 2017.

Nguyen, Houng, Danielson, Scott, and Wigal, Kathy. Comparison of BAN-PT, MOET and ABET Program Accreditation. Abstract accepted American Society for Engineering Education National Conference, 2017.

Danielson, Scott, Nguyen, Huong, and Wigal, Kathy. *Comparison of AUN-QA and ABET Accreditation*. American Society for Engineering Education National Conference, 2016.

Wigal, Kathy D. and Armado, Michele. Customizing Degree Attainment: *Creating Value for Students and Industry, a University-Industry Partnership Case Study*. Paper accepted American Society for Engineering Education National Conference, 2015. Paper removed from conference proceedings by co-author pending corporation approval to publicize program information.

Selected Presentations and Workshops

We are what we Measure: Using Key Performance Indicators (KPIs) to Monitor & Evaluate Progress Toward Organizational Goals. This three-part hands-on program provides practical techniques and templates for monitoring progress and linking operational activities to the items most critical for achieving institutional goals. Designed around the methodology for a comprehensive university quality framework and using the Higher Learning Commission systems portfolio and standard criteria as an aspirational model, participants learn how to set university level KPI's for key core areas, map KPI's to operational indicators, and monitor and evaluate progress using data driven decision techniques. Hanoi, Danang, Vietnam (Jan 2019).

USAID 3rd Annual Learning Symposium. Session Presenter: *ASU's Initiatives in Vietnam Scale-up Innovation, Science, and Technology as a Source of Economic Growth.* Hanoi, Vietnam (Sept 2018).

International Scientific Conference for Mekong Delta Development. Keynote Address: Higher Education Quality in Vietnam: A Sustainable Faculty Development Model. Can Tho University, (Nov 2017).

Vietnam National Qualification Framework and Curriculum Development in Higher Education. Session Presentation: Learning Outcomes Assessment. Institute for Science and Technology Innovation. Nha Trang University, (June 2017).

Data Aggregation, Display and Evaluation. Devise and use software tools to aggregate assessment. An electronic structure for assessment documentation. Can Tho, Vietnam (Sept 2017).

Research-Based Course Evaluation Tools workshop. Can Tho, Vietnam (Sept 2017), Hanoi (June 2017).

ABET Accreditation Strategy: Overview and Requirements When Considering ABET Accreditation, Explores the ABET organizational structure, ABET's mission and approach to specialized program-level accreditation. Hanoi, Vietnam (Sept 2017)

Creating an Assessment Plan for Effective Assessment and Evaluation of Student Outcome Attainment Workshop
Robust, sustainable assessment processes using direct data sources, with an emphasis on the use of specific types of rubrics. Creating an assessment plan, using a data evaluation template, standardizing the portrayal of data being evaluated, evaluation results and planned actions for improvement emphasized. Ho Chi Ming City (Feb 2017).

Leadership in Engineering Education Accreditation Program (LEEAP): Excellence in Accreditation Symposium. Introductory Speaker and panel facilitator, Jakarta (May 23-24, 2016).

Leadership in Engineering Education Accreditation Program (LEEAP): Preparing for the Mock Visit. Co-developed and delivered sessions focusing on preparation of self-study, peer review and evaluation. Universitas Andalas (UNAND), Padang, Indonesia (August 15-16, 2016).

Leadership in Engineering Education Accreditation Program (LEEAP): Project Kickoff Conference. Lead conference development, co-developed and delivered sessions focusing on preparation and leadership for international accreditation and recognition. Universitas Andalas (UNAND), Padang, Indonesia (June 3-6, 2015).

Assessment and Evaluation for Program Improvement: Essentials for Accreditation and Certification. Co-developed and delivered for partner institutions, emphasizing assessment and evaluation systems. Ho Chi Minh City, Vietnam (May 2014), Hanoi and Da Nang, Vietnam (November 2014), Vietnam National University, Ho Chi Minh City (August 2015); Universitas Andalas (UNAND), Padang, Indonesia (May 26-27, 2016); follow-up January 28, 2016.

Basics of Accreditation Workshop. Co-developed and delivered emphasizing an overview of ABET accreditation, its organizational structure, the steps involved in preparing for accreditation, overview of a typical accreditation visit, and estimated costs. Industrial University of Ho Chi Minh City campus (March 19, 2015), and Rex Hotel, Ho Chi Minh City (March 20, 2015); University Hassanadin, Makassar Indonesian (September 2016, October 2016).

HCMUT In Country Workshop. Series on Curricular Innovation and Quality Assurance. Quy Nohn, Vietnam (August 2016).

Preparing Your Course for Program Assessment: The Role of Faculty in Continuous Program Improvement and International Recognition. Co-developed by Dr. Kathy Wigal and Dr. Chell Roberts. Ho Chi Minh City University of Technology, Dalat, Vietnam (July 2015).

Accreditation Workshop: Mapping, Assessing, Evaluating. Co-developed and delivered for partner institutions, emphasizing mapping program student learning outcomes to courses in new curriculum, deciding the courses where assessment will be done, creation of performance indicators and creating assessment plans for the performance indicators.

Ho Chi Minh City (March 12, 2015).

VULII Dean's and Quality Assurance Assessment Workshop. Vocational and University Leadership and Innovation Institute (VULII). Co-developed and delivered for partner institutions, emphasizing development, design and documentation of the continuous improvement process, tools and techniques for implementing continuous improvement changes, sustaining continuous improvement activities and writing high quality reports to document program continuous improvement processes and results for external audiences. Ho Chi Minh City (January 29-30, 2015) and Da Nang (January 26-29, 2015).

Helping to Prepare Indonesian Higher Education Institutions for International Recognition/Accreditation. Co-developed and delivered for Higher Education Leadership and Management (HELM) Conference: Jakarta, Indonesia (September 2-3, 2014).

VULII Program Assessment Workshop. Vocational and University Leadership and Innovation Institute (VULII). Co-developed and delivered for partner institutions emphasizing ABET and AUN-QA continuous improvement systems. Ho Chi Minh City, Vietnam (August 29-30, 2014).

Program Level Objectives and Outcomes and Accreditation Criteria. Vocational and University Leadership and Innovation Institute (VULII). Co-developed and delivered Individual, focused campus workshops emphasizing development of academic program objectives, constituent review and academic program outcomes as a component of quality assurance for continuous improvement, preparation for accreditation and certification. Ho Chi Minh City, Hanoi, Da Nang, Can Tho, Vietnam (May 2014).

Quality Assurance Institute (VULII) Vocational and University Leadership and Innovation Institute [Developed and delivered workshop for Quality Assurance professionals with emphasis on institutional and program assessment]. Ho Chi Minh City, Vietnam (March 2014).

VULII Deans Institute - Vocational and University Leadership and Innovation Institute. Co-developed and delivered workshop for Deans and Academic Chairs of Vietnamese universities and vocational colleges. Emphasis on academic program outcomes, design configuration of academic programs, and best practices for industry engagement. Sessions repeated in two locations: Ho Chi Minh City and Da Nang, Vietnam (March 2014).

Faculty Workload Modeling, Development and Evaluation. Vietnam Engineering Education Conference (VEEC). Co-developed and presented conference session. Ho Chi Minh City, Vietnam (March 2014).

Tailoring Course Instruction for Continuous Improvement (Classroom Level Assessments)

Vietnam Higher Engineering Education Alliance Program (HEEAP). Developed and presented as part of a two workshop series for Vietnamese faculty. Sessions repeated in three locations throughout Vietnam: Ho Chi Minh City, Da Nang, and Hanoi, Vietnam (February 2014).

Quality Assurance Institute: Design and Implementation of Student Course Evaluations. Vocational and University Leadership and Innovation Institute (VULII). [Developed and co-presented a workshop for Vietnamese quality assurance professionals and a joint session with academic Deans]. Ho Chi Minh City, Vietnam (December 2013).

VULII Deans Institute Move to Action Workshop - Vocational and University Leadership and Innovation Institute [Co-developed and delivered weeklong hands on workshop for Deans and Academic Chairs of Vietnamese universities and vocational colleges. Emphasis on effectively using leadership tools to manage change; project management; development of course evaluation and faculty evaluations.] Ho Chi Minh City, Vietnam (October 2013)

Quality Assurance Institute (VULII) Vocational and University Leadership and Innovation Institute [Co-developed and delivered a short course for Vietnamese university and vocational college participants focusing on how data is used for decision-making and planning within a technology college]. Tempe, Arizona (February 2013)

VULII Dean's Institute Leadership Workshop – Vocational and University Leadership and Innovation Institute [Co-developed and delivered a weeklong case study based workshop for Deans and Academic Chairs of Vietnamese universities and vocational colleges. Emphasis on academic leadership and data-driven decision-making as applied to Vietnamese institutions of higher education.] Ho Chi Minh City, Vietnam (May 2013)

Vietnam Higher Engineering Education Alliance Program (HEEAP) Vocational Cohort Faculty Development.

Co-developed and delivered faculty development two-week workshops including pedagogy, assessment, and application/problem based learning tracks for HEEAP vocational faculty. Mesa, Arizona: Arizona State University (September 2012, July 2013, August 2013).

Selected Conferences, Meetings, and Seminars Attended

STEMCON 2018 Advancing the Future of Vietnam: Industry 4.0 & STEM. Ho Chi Minh City, Vietnam (March 2018)

STEMCON 2017 Advancing the Future of Vietnam: Inspiring Students, Makers, Educators, & Entrepreneurs to Innovate The Higher Engineering Education Alliance Program. Hanoi, Vietnam (March 2017)

CHEA 2017 Annual Conference: *Quality Assurance and Accreditation: Moving Into the Future*; and CIQG Annual Meeting: *Quality and Quality Assurance in a Changing World*. Washington D. C. (Jan 20 – Feb 2, 2017).

Vietnam Engineering Education Conference. Workforce Competitiveness: Partnerships Driving Human Capital Skills and Standards, Ho Chi Minh City, Vietnam (April 14-15, 2016).

Vietnam Engineering Education Conference. *Engineering Education as a Catalyst for Innovation and Entrepreneurship in Vietnam*. Da Nang, Vietnam (March 16-17, 2015).

Higher Education Leadership and Management (HELM) Conference: Preparing for Indonesian Higher Education Institution Toward International Recognition/Accreditation. Jakarta, Indonesia (September 2-3, 2014).

VULII Year-End Leadership Conference (Year 2). Ho Chi Minh City, Vietnam (August 19, 2014).

ABET Institute for the Development of Excellence in Assessment Leadership (IDEAL). Baltimore, MD (August 4-7, 2014).

Vietnam Engineering Education Conference. *Transformative Change: Educating Engineers to Innovate the Future of Vietnam*. Ho Chi Minh City, Vietnam (March 25-26, 2014).

Quest for Quality: North Central Association 105th Annual Meeting. Chicago, IL: North Central Association of Colleges and Schools in conjunction with the Commission of Institutions of Higher Learning, Hyatt Regency Chicago (April 1 - 4, 2000).

Connecting the Disconnects: North Central Association 104th Annual Meeting. Chicago, IL: North Central Association of Colleges and Schools, Hyatt Regency Chicago (April 10 –13, 1999).

The Collaborative Imperative: North Central Association 103rd Annual Meeting. Chicago, IL: North Central Association of Colleges and Schools in conjunction with the Commission of Institutions of Higher Learning, Hyatt Regency Chicago (March 28 – 31, 1998).

Faculty Development in International Human Resource Management Program (FDIHR). Denver, CO: Institute for International Business, Center for International Business Education and Research (CIBER), University of Colorado at Denver (May 1996).