

KENNETH G. FURTON

Provost, Executive Vice President, and Chief Operating Officer

Florida International University, Miami, FL 33199
Office: 305-348-2151; Cell: 305-310-0673; furtonk@fiu.edu

[Full Vita](#)

EXECUTIVE SUMMARY

Provost, Executive Vice President, and Chief Operating Officer with 34 years of higher education experience in administration, education, research and innovation with a proven track record of success balancing fiscal responsibility and regulatory compliance with advancing a culture of student success and research excellence in an urban, multicampus, multicultural setting. National leader in higher education innovations, including creating a diverse, equitable, and inclusive environment that transforms institutional structures and practices. Led the expansion of the use of innovative modes of instructional delivery, which resulted in increased student success and access to higher education and employment activities. Spearheaded the acquisition of numerous new instructional, research, and outreach sites resulting in higher enrollments, greater student success, and broader community impact. Developed and implemented bold strategic plans that led to across-the-board improvements in student outcomes, faculty success, growth of the research enterprise, national rankings, and transformative impact on the local community. Secured more than \$150 million in philanthropic gifts, \$66 million in new State Performance Funding, more than doubled 4-year graduation rates, earned and maintained R1 Carnegie Research University designation, and went from unranked to Top 20 in patent production at an urban, public institution with over 58,000 students (80% people of color and 50% Pell Grant recipients), 10,000 employees, and \$1.6 billion annual budget. Tenured professor, world-leading scholar in forensic chemistry focused on trace detection and olfaction; secured over \$14 million in research funding, received 25 patents, and 217 peer-reviewed publications cited more than [7,000 times and an h-index of 48](#).

EDUCATION

Swansea University, Wales, U.K.

Postdoc in Nuclear Chemistry 1988

Wayne State University, Detroit, MI

Ph.D., Chemistry (Analytical), Minor in Biology 1986

University of Central Florida, Orlando, FL

B.S., Forensic Science, Minor in Chemistry 1983

SELECT AWARDS & HONORS

<i>Member, Academy of Science Engineering and Medicine of Florida</i>	Elected 2020
<i>Fellow, National Academy of Inventors</i>	Elected 2016
<i>Member, Phi Beta Kappa</i>	Elected 2010
<i>Recipient, Wayne State University Collegian Award</i>	2008
<i>Recipient, FIU Outstanding University Professor Award</i>	2005
<i>Fellow, American Academy of Forensic Sciences</i>	Elected 2000
<i>Recipient, International Association of Forensic Sciences Young Investigators Award</i>	1996

EXPERIENCE

Florida International University, Miami, FL

<i>Provost, Executive Vice President, & Chief Operating Officer</i>	2014 – Present
<i>Dean, College of Arts & Sciences</i>	2007 – 2014
<i>Associate Dean, Budget, Facilities, Research, College of Arts & Sciences</i>	2001 – 2007
<i>Founding Director, FIU International Forensic Research Institute</i>	1997 – 2007
<i>Chair, Department of Chemistry and Biochemistry</i>	1997 – 2001
<i>Assistant / Associate / Full Professor, Department of Chemistry & Biochemistry</i>	1988 – Present

Swansea University, Swansea, U.K.

<i>Lecturer/Postdoc, Chemistry Department</i>	1986 – 1988
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WORK EXPERIENCE – DETAILED

National Leader in Professional Organizations and Higher Education Innovations

Leader in higher education innovations, including using analytics to move values, transforming STEM education and research, evaluating and rewarding teaching, globalization of curriculum, and leveraging world centers. Provide leadership to numerous national and international professional organizations.

- Launched an innovative real-time data analytics program that engages the entire organization, which was featured in [2019 in Business Officer Magazine](#), using analytics to move goals and values.
- Currently a member of the [Executive Committee of Science and Math Teaching Imperative](#) of the Association of Public and Land Grant Universities.
- Leading a \$3,200,000 [NSF Institutional Transformation](#) grant to institutionalize national best practices, including a Faculty Mentor Program, Unconscious Bias Training, and Diversity Advocate and Diversity Mentor Professor Programs.

- Chaired organizations developing national standards since 2004, including current chair of Dogs and Sensors consensus body of the [American Standards Board](#).
- Testified as an expert witness in dozens of trials, including the first successful Daubert challenge to K9 human scent evidence in U.S. history, cited in a [U.S. Supreme Court decision](#), and the first case in Canada admitting canine alerts as probative evidence.
- Research profiled nationally, ranging from pioneering work with [bomb dogs](#) to collaborating on a [Guggenheim exhibition](#).
- Led the acquisition and attracted private funding for innovative education and research facilities, including the [world's only undersea research lab](#).

Strategic Planning and Execution for Transformational Change

Strategic planning is not only an extremely useful tool in an organization, but when it is done well, it is a multi-faceted forum to bring diverse talent, views, and ideas together. Strategic planning and leadership are inextricably linked. Plans that call for transformation require a bold vision and a commitment to see that vision through. It takes patience, persistence, and the ability to listen to and appreciate stakeholder's points of view on the road to gaining their collective understanding. The successful execution of any plan requires the ability to motivate and mobilize multiple teams and evaluate outcomes in real-time. Being the Provost at FIU has given me incredible insight into how to balance analysis paralysis with data-driven decisions and educate, motivate, and sometimes push leaders when operating in uncharted territory. Below are some examples of strategies as well as accomplishments.

- Enlisted a diverse group of over 200 students, faculty, staff, alumni, and community leaders in a deliberate, wide-ranging 18-month process to develop the FIU [Beyond Possible 2020 Strategic Plan](#). Stakeholders stretched the limits of what they thought was possible to achieve unprecedented levels of student success, research preeminence, and community impact.
- Established trust in the process with critical stakeholders by meeting with members of the Board of Trustees, the chairs of volunteer boards, and community leaders, which turned the planning process into a platform to discuss different pain points, gain insights, and uncover hidden talent.
- Co-led, with the FIU President, the development of FIU's next strategic plan, [FIU Next Horizon 2025](#), with the vision to achieve exceptional student-centered learning and upward economic mobility and transformative innovations resulting in Top 50 national and global rankings.
- Transformed the Office of Institutional Research and the Office of Retention and Graduation Success into the Office of Analysis and Information Management (AIM) to empower a dynamic data analysis team to identify all the moving parts in each metric critical to research preeminence and student success.
- Developed data dashboards for deans, vice provosts, and faculty and staff to acquire and interpret layers of real-time data and determine the root cause of challenges and create and possible solutions immediately.
- Launched Communication Protocol for Accountability and Strategic Support (ComPASS) in 2016, bringing together all major stakeholders for a strategy discussion

each semester. This process requires participants to prepare for one-day sessions with their teams on enrollment, research, data, and budget for each college. The process encourages transparency and accountability, fosters interdepartmental teamwork, and provides an ongoing forum to create solutions to challenges in real-time because all the decision-makers are usually present.

- Cultivated the next generation of leadership by hiring 10 out of 13 deans, 6 out of 9 vice provosts and vice presidents, and 4 museum directors with mindsets and experience bringing fresh ideas and reflect the institutional goal of being a top 50 public research university.
- Mentored FIU's Registrar into his current role as Vice President for Enrollment Management and Services. His leadership enabled us to revamp student services, develop strategic enrollment programs and better utilize financial aid for student success. We developed "Personalized Success Pathways" to support our students' learning needs. Additionally, we have been able to deploy new software and create better processes that dramatically reduce student wait times.
- Worked with over 70 students, faculty, and staff on a two-year process to successfully attain the APLU designation of Innovation and Economic Prosperity University in 2018. The process was instrumental in uncovering the needs of faculty, students, and the community in creating an infrastructure to support increased innovation and entrepreneurship at FIU.
- Restructured the College of Arts & Sciences into three thematic schools, the School of Environment Arts & Society, the School of Integrated Science and Humanity, and the School of International and Public Affairs led by faculty Executive Directors. After the reorganization, the College led FIU in nearly every category of student success, research activities, and philanthropic support.
- Created the School of International and Public Affairs to better position the school to attain membership into the prestigious Association of Professional Schools of Public Affairs.
- Developed the first comprehensive strategic plans for the Department of Chemistry and Biochemistry as Chair and the College of Arts & Sciences as Dean.

Achieving Highest Student Success through Innovation

Universities must be student-centered. I have led multiple teams of administrators, faculty, and staff at FIU to reimagine the delivery of higher education. Through innovative modes of delivery, curriculum redesigns, and reorganizations that streamlined processes and instituted new policies, we could attract increased federal funding and strategically reallocate existing resources to achieve our ambitious student success goals. Below are specific strategies I helped create and deploy as Provost and Dean. Dramatically improved student success resulting in FIU moving from no. 8 to no. 2 in Florida on Student Success Performance-Based Funding metrics, garnering FIU an additional \$66 million in state funding. Improved the second-year retention rate from 79% (with GPA above 2.0) in 2014 to 90% in 2020 and the 4-year FTIC graduation rate from 25% to 59% projected for this year.

- I believe the commitment of a student-centric university begins in high school by providing opportunities for students to complete transferable college courses. As Provost, FIU grew from offering 5,600 dual enrollment classes in 2014 to 7,525 in 2020 (35% increase), targeting key feeder high schools. This has improved student recruitment, saved students money, and improved student success, with dual enrollment students having a four-year graduation rate 14% higher than those without dual enrollment credits.
- Spearheaded initiatives to increase FIU's national profile resulting in numerous top 50 public university rankings, including no. 18 in *Washington Monthly* and no. 19 in patent production and no. 42 in online undergraduate degrees in *U.S. News and World Report*.
- Top 50 public university program rankings in *U.S. News and World Report* increased significantly from 2 in 2014 to dozens in 2020, including Top 50 ranking in Law, Public Health, Nursing, Business, and Biomedical Engineering. FIU is also ranked top no. 6 in the U.S. in Times Higher Ed [Impact Rankings](#) in 2020 with Top 50 rankings in all 17 categories ranked.
- Formed and chaired a Student Success Council of Vice Presidents and Deans, which met biweekly and was primarily responsible for designing and deploying new initiatives such as a redesign of FIU's First-Year Experience and Fall/Spring B term options for students in gateway courses as well as policies as such as an "NC" grade.
- Led FIU's 2015 Ashoka Changemaker Campus designation (42 worldwide) to emphasize commitment, not only to social innovation and entrepreneurship but also to better engage students in experiential learning by developing curricular and co-curricular activities. Successful in achieving renewal in 2019 through 2023.
- Reformed how faculty teaching is evaluated and rewarded, including Top Scholar recognitions and enhancement of annual evaluations at department level utilizing student, peer, and self-assessments. The process identified, recognized, and rewarded excellent teaching and identified faculty members who needed to improve their teaching methods using evidence-based best practices.
- As Dean, I was PI and managed implementation of the Title V grant (Opening the Gateway: The High Tech High Touch Initiative) that transformed the way college algebra was taught at FIU, dramatically improved the course success rate from 30% to 70% by utilizing a "high tech/high touch" approach of math labs combined with peer learning assistants.
- Invested in expanding faculty support for innovating course pedagogy, enhanced interaction between faculty and students, and growing the learning assistants program to be the largest in the country, which resulted in more than 7,000 instances of additional course passings.
- Strategically increased enrollment in the FIU Honors College. The College is a leader in innovating to achieve student success even with growth from 1,483 students in 2014 to 2,392 students in 2019. Engaging courses such as "Social Innovation," "The Fourth Industrial Revolution" taught by dynamic faculty helped the Honors College and achieved a 95% second-year retention and 72% 4-year graduation rate.
- Expanded global reach of FIU through Cooperative Online International Learning (COIL) and development of World Centers. FIU received the 2021 Senator Paul Simon Award for Comprehensive Internationalization.

- Initiated [FIU's Golden Promise](#) program that guarantees 100% tuition and fees to residents with a \$0 expected family contribution with FIU using a combination of federal, state, and internal grants/scholarships to guarantee 100% tuition and fees.
- Invested in the FIU Office of Student Access & Success with the belief that scholarship and teaching are best fulfilled when shaped by an inclusive environment with meaningful and strategic programming and services that facilitate successful transitions between pre-collegiate, undergraduate, and graduate education.
- Champion of innovative learning options since 2003, when as Associate Dean began incentives to start online courses in the College of Arts and Sciences. As Dean and Provost invested in infrastructure and support to help our faculty create more online and hybrid courses as well as improve the quality and delivery of existing courses. It allowed us to be more responsive to our students' needs for flexibility. As a result, FIU grew from 0 incidences of online enrollment in 2003 to 15,000 by 2007 when I was named Dean.
- As Dean and now Provost, I have continued to promote online and hybrid modes of delivery. Today our online students represent our fastest growing student segment growing from 2,178 fully online students in 2014 to 7,110 in 2020. FIU now ranks no. 1 in the nation with 500 Quality Matters certified courses and 116 fully online degrees. FIU ranks no. 42 in online undergraduate degrees in U.S. News and World Report.
- Statewide I currently serve on the Florida Board of Governor's Online and Innovation Strategic Plan Implementation Steering Committee, and I am the past chair of the Executive Committee of the statewide Florida Virtual Campus (FLVC).
- Involved with national STEM initiatives to develop and encourage STEM pathway programs for students and formed the [STEM Transformation Institute](#), which works with dozens of units and partners in the community facilitating Discipline Based Education Research and transformative instructional reforms.
- Spearheaded the development of innovative administrative structures and pioneering degrees needed for rapidly changing professions and emerging fields, including first in the country degrees including a B.S. in the [Internet of Things](#), M.S. in Law of Technology, B.S. in Crime Science, and Ph.D. in Engineering and Computing Education.
- Established an Office of Micro-credentialing to coordinate the delivery of credit and noncredit digital badges provided to current students, alumni, industry partners, and the community.

Advancing a Culture of Research Preeminence and Impact

My undergraduate experience awakened my passion for research. From my undergraduate chemistry professor's laboratory at UCF to the Provost's Office at FIU, I have never stopped working on research. When my administrative career began as Chair of the Department of Chemistry, I worked with my colleagues to establish a Ph.D. program. The program enabled us to attract more faculty, increase research funding and scholarship, and attracted great students. I knew then, as I know now, that building a culture of research and innovation requires the ability to attract, understand and support the needs and unique drives of top faculty and students. It also demands an ongoing investment in facilities and administrative infrastructure to keep up with the rapid advances in technology and factors influencing success. Below are highlights of some of the programs and results.

- Led the effort to achieve and then retain the highest research designation by Carnegie, R1 at FIU, resulting from investments in recruiting world-class faculty, doctoral and postdoctoral students, and building research infrastructure. FIU maintained the R1 designation from 2018 through to 2021.
- Implemented research incentive programs to encourage enhanced faculty research productivity with the number of research proposals growing significantly and annual research expenditures increasing by 89% from 2014 to 2019 to \$251,000,000 currently and on track for growth to \$400,000,000 by 2025.
- Attracted National Academy members to FIU to bolster FIU's areas of research preeminence, increasing the number of National Academy members from 3 in 2014 to 17 in 2020.
- Established Preeminent and Emerging Preeminent Programs, a designation that recognizes and supports research programs that demonstrate extraordinary success in providing unique learning opportunities, pioneering research, and engagement while expanding the University's financial base. Preeminent Programs are a major driver of FIU research growth, with more than a 50% increase in research awards over the last three years in these programs, including the largest NIH grants in FIU history.
- Rebranded the Division of Research into the Office of Research and Economic Development and created the Innovation and Economic Development unit to support students, faculty, and the community in innovation and entrepreneurship.
- Created FIU's first entrepreneurship incubator, StartUP FIU, which has worked with over 300 students, faculty, and community inventors and entrepreneurs, of which 120 new companies are still operating after 5 years.
- Through the Small Business Development Center at FIU and StartUP FIU, FIU has worked with over 9,000 small businesses (30% new startups), unlocking over \$300,000,000 in new capital and over \$200,000,000 million in government contracts while creating or retaining over 2,000 jobs since 2014.
- Grew annual procurement spend with local, minority suppliers from 9% in FY18 to 15% in FY20.
- Patent production increased dramatically from 3 per year in 2014 to 66 in 2018 (2100% increase), now ranking [FIU Top 20 in the nation in patent production](#).
- Integrated the Graduate School into the Office of Research and Economic Development to create a more collaborative environment between graduate student recruitment and support and the broader research enterprise. The integration led to operational efficiencies, focused attention and resources into graduate student recruitment and support, resulting in an increase in doctoral degrees awarded from 257 in 2014 to 576 in 2019 (124% increase), and postdoctoral associates from 83 in 2014 to 242 in 2019 (190% increase).
- In 2014, FIU went from not meeting any preeminence metrics to achieving 8 of 12 metrics in 2018, received designation as an Emerging Preeminent Research University, and is on track to meet 11 of 12 metrics, attaining [Preeminent Research University](#) status within the next three years.
- As Dean of the College of Arts & Sciences, I worked with the Provost and Vice President of Research to recruit strategic faculty clusters, including leaders of the Biomolecular Sciences Institute, the Cognitive Neuroscience Institute, and the Center for Children and

Families, which were major contributors to the significant increases in research productivity in the college.

- In 1997 while serving as Chair of the Department of Chemistry and Biochemistry, I co-founded the International Forensic Research Institute, which has grown to 21 faculty members and is one of the premier forensic science research centers in the world.

Fundraising Leadership

As an avid fundraiser, I have served in leadership roles to secure philanthropic gifts totaling more than \$150,000,000. Began developing major fundraising experience as Dean of the College of Arts & Sciences in 2007 at a university that had limited experience with large-scale fundraising efforts. Hired an experienced advancement team who staffed me at hundreds of donor visits, events, and trips and learned how to build relationships, develop compelling proposals, and close principal gifts. During my seven years as dean, I raised \$50,000,000, taking the College from an annual fundraising total of \$145,000 in 2006 to \$12,500,000 in 2014. More importantly, when I was Dean, I set the tone and built a roadmap to help other deans establish fundraising operations. As Provost, I still work very closely with Advancement and mentor Deans on major fundraising. Below are some examples of fundraising achievements.

- As Provost, helped secure transformative gifts such as \$20,000,000 to name the Steven J. Green School of International and Public Affairs, the Wertheim School of Music, and the largest ever alumni gift of \$10,000,000 to name the Moss School of Construction, Infrastructure, and Sustainability.
- Of the \$50,000,000 raised as Dean, I secured a \$21,000,000 strategic acquisition of the Jewish Museum of Florida, an \$8,000,000 gift to create the International Center for Tropical Botany, a \$1,600,000 gift to build the Stocker AstroScience Center, and a \$1,200,000 gift to secure the Medina Aquarius Reef Base.
- As a member of the FIU Foundation Board of Directors, I am responsible for leading the initiative to raise \$750,000,000 *Next Horizon Campaign* for FIU.
- Created a Provost Incentive Fund to incentivize donors to create endowed Professorships and Chairs and remain active in cultivating key donors and prospects for additional principal gifts to FIU.

Commitment to Diversity and Inclusion

As a leader, I am fully committed to creating a diverse and inclusive environment where our students, faculty, and staff can thrive. Below are different examples of the many ways to support diversity, leading to more student success, recruitment of women and minority faculty, and inclusion.

- Established the Provost's Council for the Advancement of Women and Minorities, which led to the creation of the FIU Office to Advance Women, Equity and Diversity in 2015.

- Each formal search and screen for faculty positions now require training on unconscious bias through the Strategies and Tactics for Recruiting to Increase Diversity and Excellence (STRIDE).
- Principal Investigator of a \$3,200,000 NSF Institutional Transformation grant developing institutional structures, processes, and climate that build an affirming and fair workplace for women and underrepresented groups. Each college is implementing tailored diversity, equity and inclusion plans. The Bystander Leadership Program developed won the 2020 Platinum Award from the Council for Advancement and Support of Education in the Best Practices in Diversity Programming category
- Created Personalized Success Pathways allowing for high diversity in the student body while also achieving the highest freshman academic profile in FIU's history. FIU's role in creating upward economic mobility for its students ranks it no. 23 in U.S. Social Mobility Index according to CollegeNET.
- Helped launch and expand the FIU Embrace program. This university-wide initiative promotes health, wellness, and overall functioning for adults with developmental disabilities such as autism spectrum disorder and intellectual disabilities. FIU Embrace has attracted over \$5,000,000 in funding over the last four years. It has revamped post-secondary education programs, provided comprehensive medical services and employment training for individuals and prospective employers.

Partnerships, Community Engagement and Strategic Acquisitions

Partnerships are more critical than ever to universities. With shrinking federal and state funding, universities must rely on strategic partnerships to meet the needs of their mission. At FIU, I have successfully negotiated complex acquisitions and partnerships better to serve our students, faculty, and community. Below are some examples of such partnerships.

- Helped the development of an FIU Interdisciplinary Nuclear Research and Education Program at FIU beginning, in 2011 which has grown to more than 100 faculty, staff, and postdocs collaborating with leading companies and six national laboratories supporting research and academic programs supported by the U.S. Department of Energy and the U.S. Nuclear Regulatory Commission.
- As Dean and now Provost, I work closely with the Office of Governmental Relations to advocate for numerous research and educational initiatives at the local, state, and federal levels.
- Assisted in establishing FIU in Washington, D.C., in elevating FIU's profile among key legislature and federal agencies. Additionally, the location enables FIU to collaborate with thought leaders and placing students in prestigious internships, which ultimately supports SIPA's application for APSIA membership.
- Partnered with USF and UCF Provosts & Presidents to help establish the [Consortium of Metropolitan Research Universities](#) in the areas of predictive analytics, targeted support, and employability and high-tech pathways.
- Acquisition of the [National Forensic Science Testing Center](#) in Largo, FL, expanding our research portfolio to include classified research and providing an additional 100,000 sq. ft. of space.

- Acquired the [Torrey Pines Institute for Molecular Studies](#) in Port St. Lucie, FL, which expanded FIU's translational research and patent portfolio to include drug and biomedical discoveries and increased research space by 107,000 sq. ft.
- Focused efforts on increasing partnership with local companies to double student internships, which increased from 4,737 to 9,131 from 2014 to 2019.
- As Dean, led the acquisition and attracted private funding for the world's only undersea research lab where scientists can live underwater for days, weeks, or months as they conduct research. [Aquarius](#), located in Islamorada, has attracted funding for missions and training from a myriad of people and agencies such as NASA, US Navy, European Space Agency, Japan Space Agency, and Fabien Cousteau's Mission 31. Total audience to date has been more than 1,000,000 students participating virtually in classes and a total audience of more than 100,000,000 online and in print.

Fiscal and Operational Management of Complex Organization

Ability to successfully negotiate complex acquisitions and partnerships to better serve our students, faculty, and community, with recent examples being the Aquarius Reef Base in the Florida Keys, the Jewish Museum of Florida on Miami Beach, and the FIU office in Washington, D.C. These strategic academic sites are complementary to the FIU campuses including those in Miami, North Miami and internationally as part of an overall strategy to improve the stature of the university and provide unique learning opportunities for our 58,000 students and high-profile research opportunities for our 2,800 faculty. Experienced in managing large budgets, complex organizations, and leadership development.

- As Chief Operating Officer, I work with the Chief Financial Officer to manage FIU's \$1.6 billion budget, including direct oversight of \$1.4 billion in Academic Affairs and individually briefing the Board of Trustees members in advance of BOT meetings.
- Work with the Office of University Compliance & Integrity and the Office of Internal Audit to continuously improve operations, including a recent transparent Audit tracking system with audit recommendations shared across units at monthly meetings.
- Developed and implemented a hybrid RCM model to change how colleges are funded.
- Developed Flex Work guidelines that allow faculty to work in a variety of modes.
- Developed a comprehensive leadership program for Vice Provosts, Deans, and Chairs leading to FIU's no. 1 ranked Center for Leadership.
- Supervise 15 vice presidents, vice provosts and directors, 4 Museum Directors, and 13 deans; hired majority of current deans who are focused on student-centric sustained excellence
- As Dean, I managed 16 departments, 66 centers and programs, and 1,000 faculty and staff.
- As Associate Dean of Budget and Facilities, managed College of Arts and Science's budget of over \$100,000,000.

Multiple campuses/academic sites managed locally, globally, and virtually include:

- Modesto Maidique Campus (Miami, FL) – 30,132 students enrolled

- FIU Online (Virtual Campus) – 13,895 students enrolled
- Engineering Center (Sweetwater, FL) – 6,139 students enrolled
- Biscayne Bay Campus (North Miami, FL) – 6,129 students enrolled
- Global Centers – 1,300 students enrolled in Tianjin and Qingdao, China, Genoa, Italy, and Panama with planning for locations in South Asia, Southeast Asia, and the Middle East
- FIU@I-75 (Broward, FL) – 1,076 students enrolled
- FIU Downtown (Brickell) – 540 students enrolled
- FIU in DC (Washington, DC) – 445 enrolled
- Miami Beach Urban Studios (Miami Beach, FL) – 83 enrolled

Multiple research and outreach sites managed include:

- Center for Translational Science (Pt. St. Lucie, FL)
- International Center for Tropical Botany (Coconut Grove, FL)
- Jewish Museum of Florida (Miami Beach, FL)
- Mana Wynwood (Wynwood, FL)
- Medina Aquarius Reef Base (Islamorada, FL)
- National Forensic Science Technology Center (Largo, FL)
- Possum Trot Agroecology Program (Redland, FL)
- Wolfsonian (Miami Beach, FL)

The Future of Health Care

Healthcare represents one of the most complex and rapidly changing industries of the 21st Century, spanning the business of healthcare to research, education, and delivery, and each vertical represents its challenges and opportunities. Despite the youth of its Herbert Wertheim College of Medicine, FIU has a long history of health sciences research and education. As Dean and Provost, I have had extensive experience establishing, working with and managing an Academic Health Center.

- Continuously working to prevent traditional silos, including convening monthly meetings with the five primary Deans of the Academic Health Center to address the challenges and opportunities in health education and delivery in a rapidly changing environment. Emphasis is placed on serving the community, collaborating across disciplines, and leveraging technology to have the most significant impact possible.
- Created a Vice Provost of Population Health and Wellbeing to promote the wellbeing in our University, the wider community, and to integrate the activities of the National Academy of Medicine members into initiatives.
- Conducting a detailed study to evaluate and expand partnerships with health care companies and organizations to improve medical education, research and innovation, and clinical services to the community.
- Serve on the Board of Directors of the FIU Health Care Network, which is the fiduciary and strategic planning body of FIU Health.

- Recruited the dean to the School of Public Health and Social Work from Columbia University and the dean for the College of Medicine from Harvard Medical School.
- School of Public Health has had substantial increases in undergraduate student success, doctoral degree production, research and innovation productivity, and interdisciplinary curriculum, including an Academy of Emergency Disaster Management and a Global Health Consortium.
- As Dean, I created the School of Integrated Science and Humanity as an essential component of FIU AHC. New degree programs within this school included a Clinical Science Ph.D. and an interdisciplinary neuroscience doctoral program. The units within this school have seen major increases in grants and doctoral degrees contributing substantially to the AHC.
- As Dean, I recruited, launched, and identified strategies to grow and sustain funding and talent acquisition for major health centers, including the Cognitive Neuroscience Institute, the Biomolecular Science Institute, and the Center of Children and Families, which is a leading center focusing on child and adolescent mental and behavioral health.

Commitment to Athletics

Believe that prominent athletic programs enhance the overall student experience and are critical to the institution's reputation and the community's commitment, particularly as more courses are available online.

- Reorganized Student Athlete Academic Center (SAAC) to improve support for athletes.
- Continuous supporter of FIU athletics, including season ticket holder for inaugural football season in 2002.
- As Dean secured funding from a donor in perpetuity to host a suite for all FIU home football games as part of a fundraising strategy to attract additional donors.
- Continue participation as Provost attending both FIU Bowl Championships (Detroit, Nassau).
- Longtime supporter of [Formula SAE](#) team with racecars built by FIU engineering students. Sports car race enthusiast including the International Motor Sports Association (IMSA) Endurance Cup serving as a volunteer pit reporter since 2003 for PitNotes, providing in-pit statistical reporting at races.

Leadership During COVID-19 Pandemic

- Led FIU's transition to remote operations on March 12, 2020, including 10,000+ employees to remote work, ramping down 3,212 on-campus housing students to 492 and converting over 5,000 courses to remote learning; running "normal" university operations and its responses to COVID-19 challenges; and, monitor the preparation and delivery of remote curriculum to 42,000 summer students, the highest summer enrollment in FIU's history.
- In June 2020, led the development of FIU's repopulation plan, "[COVID-19 Guidelines for Repopulating FIU Campuses and Regional Academic Locations](#)" and presented it before the

FIU Board of Trustees and the State University System Board of Governors for approval. The approved plan prioritized the health and safety of the university community while providing the optimal learning experience for all students.

- The approved plan included integrating onsite testing, exposure notice, and disinfecting protocols; optimized modes of delivery including fully online, synchronous remote, certified hybrid, and face-to-face options; and facilitated the creation of 272 new video-enabled classrooms allowing for the simultaneous in-class and remote teaching and learning, and the development of a Remote Teach Ready Badge completed by over 1400 faculty.
- Distributed more than 500 hotspots and 1,000+ laptops to aid students at-home learning.
- An active member of the Presidential Task Force to respond to community COVID-19 need, which included repurposing 100 3D printers to produce more than 10,000 face shields for first responders and hospital personnel and adding a testing site to FIU in partnership with local and state agencies to test more than 400,000 people.
- Overall, successfully led the university through the operational and financial challenges associated with the COVID-19 emerging with the lowest COVID-19 positivity rate in the state, increased enrollments, and improved student success and research preeminence.
- Conducted frequent interviews with local and national media, including NPR, APM reports, ABC, CBS, NBC, and the Weather Channel about depopulating and repopulating a large urban campus as well as my lead of a team of researchers who have been able to [train dogs to detect COVID-19](#) and deploy these detector dogs in the State Capital and on campus at FIU.

PIONEERING SCIENTIST WITH INTERNATIONAL REPUTATION

A pioneering forensic scientist who has developed new methods to detect traces from forensic specimens, created national standards, and served as an expert witness in civil and criminal trials. Research has spanned a wide range of applications, including [drug detection](#), [explosives detection](#), [medical detection](#), [agriculture detection](#), and collaborated with Anika Yi on her [Guggenheim](#) exhibition. Have testified as an expert witness in 33 trials, including the first successful Daubert challenge to K9 human scent evidence in U.S. history (2009), cited in US Supreme court decision affirming the use of canines for probable cause to search vehicles (2013), and the first case where canine alerts have been admitted as probative evidence in Canadian civil forfeiture trial (2015).

- Retained as an expert witness in forensic science in 83 cases from 1996 to 2020.
- Testified as an expert witness 33 times from 1996 to 2020.
- Developed and coordinated a scientifically validated detector dog certification program since 1998.
- Founding Chair, Scientific Working Group on Dog and Orthogonal Detector Guidelines from 2004 to 2014.
- Founding Chair, Organization of Scientific Area Committees Dog and Sensors subdivision from 2014 to 2020.
- Founding Chair, Dogs and Sensors Consensus Body of the American Standards Board from 2016 to the present.

Active Scholar and Inventor

Innovations in my laboratory have resulted in numerous firsts, including the first universal chemical used to reliably calibrate sensors and canines. Developed the first technology capable of identifying individuals based on their human scent emanated and first to identify biomarkers that may be used as early indicators before epileptic seizures.

- 217 peer-reviewed publications and 2 books; 7,000+ publication citations
- 25 patents (15 issued and 10 pending)
- 669 presentations at national and international conferences
- More than 140 undergraduate, masters, and doctoral research students mentored
- More than \$14 M in external research grants

Selected Awards from Continuous Research Funding (\$14M+ Total)

- American Chemical Society "Thermodynamics of Molecular Association at Finite Concentrations in Liquid Organic Salts Studied by Gas-Liquid Chromatography," 1990-1993 (\$18,000.00).
- National Science Foundation "Speciation of Hydrophobic Organic Compounds in Sediments and Soils," 1994-1997 (\$382,000).
- Miami Dade Police Department Law Enforcement Trust Fund "Facilitation and Study of Training and Testing for Drug Detector Dogs," 1996-2000 (\$261,376)
- Netherlands National Police "Deployment of Human Scent Research" 2004-2008 (\$169,032).
- Department of Defense/Technical Support Working Group (TSWG) "Optimization of Sorbent Materials for the Collection and Analysis of Human Scent and Evaluation of Scent Collection System" 2006-2014 (\$1,217,190).
- National Institute of Justice "The Scientific Working Group on Dog and Orthogonal Detector Guidelines," 2005-2009 (\$367,511).
- Federal Bureau of Investigation, "Epithelial Cell Presence in Human Scent Evidence," 2009-2011 (\$211,255).
- National Institute of Standards and Technology, "Design and Development of Scientifically Validated Non-Hazardous Canine Training Materials" 2009-2012 (\$200,898).
- Howard Hughes Medical Institute, "FIU Science Collaborative" 2010-2014 (\$1,000,000).
- Central Intelligence Agency, "Testing the Ability of Birds to Detect Explosive Odorants: Comparisons with Canine Abilities and Instruments" 2010-2012 (\$238,914).
- Department of Education, "Opening the Gateway: The High Tech High Touch Initiative" 2010-2016 (\$2,447,448).
- Colgate-Palmolive, "Determining the Human Scent Profile from Axillary and Hand Odor from Different Target Populations," 2012-2016 (\$289,800).
- Canine Assistants, "Identification of Epileptic Seizure Specific Chemical Biomarkers," 2013-2014 (\$100,002.52).
- Association of Public and Land Grant Universities, "University Transformation through Teaching" 2015-2019 (\$640,000).

- Office of Naval Research, “Exploring the Effects of the Generalization-Discrimination Balance and Odor Availability in Odor Detection Canines” 2016-2018 (\$210,419.26).
- National Science Foundation, “Advance Institutional Transformation at FIU” 2016-2021 (\$3,202,167).
- NSF, Industry–University Cooperative Research Centers, Center for Advanced Research in Forensic Science, “Continued Advanced Human Scent Identification: A cross-disciplinary study using SPME-GC/MS VOC analyses and Next Generation DNA sequencing techniques for increasing the probative value of human scent evidences,” 10/29/2019 – 12/20/2022 (\$24,960).
- Non-Contact Detection of Fentanyl and Other Synthetic Opioids, (subcontract) National Institute of Justice, 09/01/2019 – 08/30/2021 (\$107,368).
- Microbiome-based vector control (subcontract), Ginkgo Bioworks Inc., 9/16/2020 – 3/16/2022 (\$79,076).
- Effective, Reagent-free Detection of the Odor Signature of Covid-19 Infection Using a Nano-Enabled Sensor Array (subcontract from U Penn), National Institute of Health, 12/20/2020 – 11/31/2022 (\$239,937.75).

Selected Patents from Ongoing Trace Detection Inventions (24 Total)

- K.G. Furton and A.M. Curran, Identification of Humans through Characteristic Compounds Detected in Human Scent, U.S. Patent No. 7,781,218, issued 8/24/2010.
- K.G. Furton and K. Beltz, Universal Detection Calibrant, U.S. Patent 9,250,222 issued 2/2/2016.
- K.G. Furton and R.J. Harper, Controlled Odor Mimic Permeation System, U.S. Patent 9,706,755 issued 7/18/2017.
- A. Kabir, K.G. Furton, Alkyl Functionalized Porous Silica Liquid Chromatographic Stationary Phases and Solid Phase Extraction Sorbents, Patent 9,925,515, issued 3/27/2018
- A. Kabir, K.G. Furton. Microextraction Capsules and Methods of Making, United States Patent, 10,352,833, January 16, 2017. (Issued July 16, 2019)

Books Published

- J.R. Almirall and K.G. Furton, *Advances in Forensic Science Techniques: Interpretation of Fire Scene Evidence*, Edited Book published by CRC Press, Boca Raton (February 2004).
- P.A. Prada, A.M. Curran, K.G. Furton, *Human Scent Evidence*, CRC Press Taylor and Francis (October 2014).

Selected Peer-Reviewed Publications (217 Total)

(*Students publishing with Dr. Furton, who has supervised the research of over 140 students, including 70 graduate students.)

- K.G. Furton and C.F. Poole, Solute-Solvent Interactions in Liquid Alkylammonium 4-Toluenesulfonate Salts Studied by Gas Chromatography, *Anal. Chem.*, 59 (1987) 1170-1176.
- K.G. Furton, J.H. Purnell, and G. Stedman, Stability Constants of Hydrazoic Acid-Tributyl Phosphate Complexes in Hexadecane Solution, *J. Chem. Soc. Faraday Trans.*, 86 (1990) 3561-3565.
- K.G. Furton and *R. Morales, Potential Ambiguities in the Use of McReynolds Constants: Apparent Differences in Stationary Phase Selectivities Exclusively Attributable to the Hydrocarbon Index Standards, *J. High Resolut. Chromatogr.*, 14 (1991) 62-64.
- K.G. Furton and *Q. Lin, The Dependence of Sorbent/Analyte Type on Observed Differences in Supercritical Fluid Extraction Efficiencies Employing Extraction Vessels of Different Dimensions, *Chromatographia*, 32 (1992) 185-187.
- K.G. Furton and *A. Norelus, A Novel Colorimetric Method for Determining the Critical Micelle Concentration of Aqueous Surfactant Solutions, *J. Chem. Ed.*, 70 (1993) 254-257.
- K.G. Furton, J.R. Almirall, and *J. Bruna, A Novel Method for the Analysis of Gasoline from Fire Debris Using Headspace Solid-Phase Microextraction, *J. Forensic Sci.*, 41, (1996) 12-22.
- K.G. Furton, J.H. Purnell, and G. Stedman, Determination of Liquid-Liquid Partition Data for Hydrazoic Acid Between Tributylphosphate-Alkane/Nitric Acid Solutions Using Gas-Liquid Chromatography, *J. Radioanal. Nucl. Chem.*, 242(3) (1999) 663-669.
- K.G. Furton and L.J. Myers, The Scientific Foundations and Efficacy of the Use of Canines as Chemical Detectors for Explosives, *Talanta*, 54/3 (2001) 487-500.
- K.G. Furton, *Y. C. Hong, *Y.-L. Hsu, *T. Luo, S. Rose and *J. Walton, Identification of Odor Signature Chemicals in Cocaine Using Solid-Phase Microextraction/Gas Chromatography and Detector Dog Response to Isolated Compounds Spiked on U.S. Paper Currency, *J. Chromatogr. Sci.* 40 (2002) 147-155.
- *A.J. Sabucedo, M.A. Gutierrez, K.C. Mueller, B.L. Bellissima, *Y.-L. Hsu, S. Rose, and K.G. Furton, Sex, Lies, and Niagra - Presence of Sildenafil in Niagra Actra Rx[®], *JAMA*, 291(5) (2004) 560-562.
- *A.M. Curran, *S.I. Rabin, *P.A. Prada and K.G. Furton, Comparison of the Volatile Organic Compounds Present in Human Odor Using SPME-GC/MS, *J. Chem. Ecol.*, Vol. 31, No. 7 (2005) 1607-1619.
- *R.J. Harper, J.R. Almirall and K.G. Furton, Identification of Dominant Odor Chemicals Emanating from Explosives for use in Developing Optimal Training Aid Combinations and Mimics for Canine Detection, *Talanta*, 67 (2005) 313-327.
- *R.T. Griffith, K. Jayachandran, W. Whitstine and K.G. Furton, Differentiation of Toxic Molds via Headspace SPME-GC/MS and Canine Detection, *Sensors*, 7 (2007) 1415-1427.
- *D.T. Hudson, *A.M. Curran, and K.G. Furton, The Stability of Collected Human Scent Under Various Environmental Conditions, *J. Forensic Sci.*, 54(6), (2009) 1270-1277.
- A.M. Curran *P.A. Prada, K.G. Furton, Canine Human Scent Identifications with Post-Blast Debris Collected from Improvised Explosive Devices, *Forensic Sci. Int.*, 199 (2010) 103-108.

- *S. Tolliver, W.L. Hearn, and K.G. Furton, Evaluating the Relationship between Postmortem and Antemortem Morphine and Codeine Concentrations in Whole Blood, *J. Analyst. Tox.*, 34 (8) 9 (2010) 491-497.
- *P. Prada* A.M. Curran, and K.G. Furton, The Evaluation of Human Hand Odor Volatiles on Various Textiles: A Comparison between Contact and Noncontact Sampling Methods, *J. Forensic Sci.*, 56(4), (2011) 866-881.
- *L.E. DeGreeff, B. Weakley-Jones and K.G. Furton, Creation of Training Aids for Human Remains Detection Canines Utilizing a Non-Contact, Dynamic Airflow Volatile Concentration Technique, *For. Sci. Int.*, 217 (2012) 32-38.
- *M. Kusano *E. Mendez and K.G. Furton, Comparison of the Volatile Organic Compounds from Different Biological Specimens for Profiling Potential, *J. for Sci.*, (2012) 1-11.
- *A. Kabir A. Malik and K.G. Furton, Innovations in Sol-Gel Microextraction Phases for Solvent-Free Sample Preparation in Analytical Chemistry, *Trends Analyt. Chem.*, (2013) 197-218.
- K.G. Furton, *N.I. Caraballo, *M.M. Cerreta and *H. Holness, Advances in the Use of Odour as Forensic Evidence through Optimizing and Standardizing Instruments and Canines, *Phil. Trans. R. Soc. B*, 370: (2015).
- A.K. Miller, M. Hensman, S. Hensman K. Schultz, P. Reid, M. Shore, *J. Brown, K. Furton and S. Lee, African Elephants (*Loxodonta africana*) Can Detect TNT using Olfaction; Implications for Biosensor Application, *Appl. Anim. Behav. Sci.*, 171 (2015) 177-183.
- *L.J. Colón-Crespo, *D. Herrera-Hernández, *H. Holness, K.G. Furton, Determination of VOC Marker Combinations for the Classification of Individuals by Gender and Race/Ethnicity, *For. Sci. Int.* (2016)
- *Alison G. Simon, DeEtta K. Mills, Kenneth G. Furton, Chemotyping the Temporal Volatile Organic Compounds of an Invasive Fungus to the United States, *Raffaelea Lauricola*, *J. Chromatogr. A*, 1487, (2017) 72–76.
- M. Locatelli, *A. Kabir, D. Innosa, T. Lopatriello, K.G. Furton A Fabric Phase Sorptive Extraction-High Performance Liquid Chromatography-Photo Diode Array Detection Method for the Determination of Twelve Azole Antimicrobial Drug Residues in Human Plasma and Urine. *J. Chromatogr. B*, 1040 (2017) 192-198.
- *K. Deshpande, K.G. Furton and D.K. Mills, The Equine Volatilome: Volatile Organic Compounds as Discriminatory Markers, *J. Equine Vet. Sci.*, 62 (2018) 47–53.
- *P.A. Prada and K.G. Furton, Birds and Dogs: Toward a Comparative Perspective on Odor Use and Detection, *Front. Vet. Sci.*, (2018).
- *A.G. Simon, *L.E. DeGreeff, *K. Frank, K. Peranich, H. Holness, K.G. Furton, A Method for Controlled Odor Delivery in Olfactory Field-Testing, *Chemical Senses*, May 21, 2019
- *V. Shellman, H.K. Holness, K.G. Furton, The Ability of Narcotic Detection Canines to detect Synthetic Cathinones (Bath Salts), *Front. Vet. Sci.*, 09 (2019)
- L.E. DeGreeff, A.G. Simon, M.S. Macias, H.K. Holness, K.G. Furton, Controlled Odor Mimic Permeation Systems for Olfactory Training and Field Testing, *J. Vis. Exp.* (167), e60846, doi:10.3791/60846 (January 28, 2021).

Selected Conference Presentations (669 Total)

- K.G. Furton and C.F. Poole, *Comparison of the Intermolecular Interactions in Liquid Organic Salts and Non-Ionic Liquids by Gas Liquid Chromatography Physicochemical Measurements*, 24th International Symposium - Advances in Chromatography, Berlin, West Germany (Sept. 8 - 10, 1987).
- K.G. Furton, J. H. Purnell, and G. Stedman, *Gas Chromatographic Study of the Complexation of Hydrogen Chloride with Tributyl Phosphate in Organic Solvents*, Analytical Chemistry R&D Topics Meeting - Royal Society of Chemistry, Plymouth, UK (July 18 - 19, 1988).
- K.G. Furton, E. Jolly, Q. Lin, and J. Rein, *The Quantitative Effect of Experimental Variables on the Supercritical Fluid Extraction of Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls from Model Sorbents and Environmental Solids*, 2nd Pan American Chemical Congress, San Juan, Puerto Rico (Sept. 24 - 29, 1991).
- K.G. Furton, E. Jolly, and J. Rein, *Selective Elution of Analytes from Solid Phase Extraction Sorbents using Supercritical Fluids*, Invited Paper at 204th American Chemical Society National Meeting, San Francisco, California (April 5 - 10, 1992).
- K.G. Furton, Y.-L. Hsu and T. Luo, *Statistical Significance of Cocaine Contamination on U.S. and Canadian Currency and Correlation to Detector Dog Alerts to Suspected Drug Money*, Third International Conference on Forensic Statistics, Edinburgh, Scotland (June 30 - July 3, 1996).
- K.G. Furton, *Odor Signatures of Narcotics Analyzed by GC/MS and Threshold Levels of Detection for Drug Detection Canines Under Field Conditions*, 14th Meeting of the International Association of Forensic Sciences, Tokyo, Japan (Aug. 26 - 30, 1996).
- K.G. Furton, *Optimized Analysis of Narcotic, Explosive and Accelerant Residues from Forensic Specimens Using SPME Combined with Chromatographic Separation and Spectroscopic Identification*, Invited talk at Chemical and Analytical Sciences Division Seminar, Oak Ridge National Laboratory, Oak Ridge, Tennessee (Jan. 26, 1999).
- K.G. Furton, Invited speaker at forum “*Expectations and Realities for Forensic Science Employment*”, 53rd Annual Meeting of the American Academy of Forensic Sciences, Seattle, Washington (Feb. 19 - 24, 2001). K.G. Furton, *What Educational Background Do Crime Laboratory Directors Require?*, invited speaker 16th Australia and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Canberra, Australia (May 12 -17, 2002).
- K.G. Furton and A.J. Sabucedo, *Cardiac Troponin I: A Time of Death Marker*, 16th Meeting of the International Association of Forensic Sciences, Montpellier, France (Sept. 2 - 7, 2002).
- K.G. Furton, *Optimizing the Combination of Biological and Instrumental Detectors*, Invited speaker at “*Use of Dogs for Helping Forensic Investigation*,” 4th European Academy of Forensic Science Conference, Helsinki, Finland (June 13 - 16, 2006).
- K. G. Furton, *Canines in Court: From Civil Forfeitures to Human Scent Criminal Cases*, Invited panelist for the session “*The Future of Evidence*,” American Bar Association Annual Conference, San Francisco, CA (Aug. 8 - 14, 2007)
- K.G. Furton, *Chimie des Odeurs*, *Invited talk at Horaire du seminaire de L’AMCPQ*, St-Jean-sur-Richelieu, Quebec, Canada (Sept. 9 - 14, 2007).

- K.G. Furton, *Capabilities of Canines and Contraptions*, Invited featured speaker at the 1st Detector Dog World Congress – Spain 2007, Barcelona, Spain, November 7-10, 2007.
- K.G. Furton, Invited speaker at First Sino-US Summit on Science Education and Research, Peking University, Shanghai, China, October 23, 2008. Part of a 12-member U.S. NSF Delegation of Science Deans, Oct. 20-31, 2008.
- K.G. Furton, *Recent Advances in the Use of Human Scent as Forensic Evidence*, Invited talk at the Dubai Police Forensic Laboratory, Dubai, UAE, Sept. 28, 2009.
- K.G. Furton, C. Sanchez, K. Beltz, J. Brown, N.I. Caraballo, *Rapid Field Detection of Forensic Odorants Using Biological and Orthogonal Detectors*, Invited speaker at PittCon 2011, Atlanta, GA Mar. 13-18, 2011.
- K.G. Furton, J.S. Brown, N.I. Carabalo, K. Beltz and L. DeGreeff, *Optimization of Canine Human Scent Detection and Improving Canine Performance and Consistency by Employing Field Calibrants*, Invited speaker, Canine Science and Technology Forum, Imperial College, London, UK, Apr. 26-27, 2012.
- K.G. Furton, “*The R!SE Initiative: A University’s Role and Commitment*” Invited speaker at the launch of the UN Initiative for Disaster Risk-Sensitive Investments (R!SE), United Nations Headquarters, New York, May 19, 2014.
- K.G. Furton, *Advances in Odor as Evidence*, Invited speaker at meeting Paradigm Shift in Forensic Science, The Royal Society, London, UK, Feb. 2, 2015.
- K.G. Furton, *Advances in Forensic Science Detection*, Invited speaker at Qingdao University, Qingdao, China, Sept. 18, 2016
- K.G. Furton, *Connections Between Instructional Quality, Student Outcomes and Institutional Finances*, Invited speaker along with Martin Kurzwil, American Council on Education, 99th Annual Meeting, Washington, DC, Mar.12, 2017.
- K.G. Furton, *Changing the Culture to Recognize Patents, Licensing and Commercialization Toward Tenure and Merit*, Invited panelist at National Academy of Inventors, 6th Annual Meeting, Boston, MA, Apr. 6, 2017.
- K.G. Furton, *Culture Shift when Online Becomes the Largest Campus*, Invited talk at Challenges of Internationalization and Online Education of Contemporary Universities Conference. Tel Aviv University, Israel, Mar 5-8, 2018.
- K.G. Furton, *The Next Generation Global Social Innovation University*, Keynote address at the International Career and College Counseling Conference (IC3) Presidential Forum, New Delhi, India, Aug. 28th, 2018.
- M. Freeman, K.G. Furton, C. Hale, P. Ortiz, M. Unterman, Invited speaker and panelist for the session “*The Challenges and Successes of Establishing an Analytics Program*” NACUBO Annual Meeting, Austin, Texas, Jul. 13-16, 2019.
- K. G. Furton, *Transforming Student Success through Global Engagement and Innovative Learning Platforms*, Invited Keynote Speaker at the annual meeting of the China Association of Higher Education, Lanzhou, China, Oct. 11-13, 2019.
- K.G. Furton, *Changemaking in Times of Crisis: How can Higher Education Become More Resilient, Impactful, and Innovative?*, Invited speaker at Times Higher Education Education World Academic Summit Panel - August 27, 2020.
- K.G. Furton, *Repopulating Campus: Protecting the Safety and Health of Students Around the Globe in the Age of Pandemics with Smart Dashboards*, Invited speaker at Hc1 Precision Medicine virtual conference, November 2, 2020.

REFERENCES

Dean C. Colson
Partner at Colson Hicks Edison,
Chair, FIU Board of Trustees, Former Chair of the Florida Board of Governors

Patricia Frost
Governor, Florida Board of Governors
Former Chair of the Florida International University Board of Directors

Howard Gobstein
Executive Vice President of the Association of Public & Land-Grant Universities
Co-Project Director of the Science & Mathematics Teaching Imperative

Vahid Majidi
Director, Savannah River National Laboratory, Aiken, S.C.,
Former U.S. Deputy Assistant Secretary of Defense for Nuclear Matters

John McKibbon
Chairman, McKibbon Hospitality

Mark B. Rosenberg
President, Florida International University
Former Chancellor of the Florida Board of Governors

Fernando Valverde
Humana Regional Market President
Former CEO of FIU Health Care Network, Former Governor, Florida Board of Governors

Kathleen Wilson
Professor and former Director of FIU School of Music, Former United Faculty of Florida
President, Former Chair of the FIU Faculty Senate, and Trustee

PERSONAL

United States Citizen
Birthplace: Detroit, Michigan, USA
Married