

Uriel R. Cukierman

OBJECTIVE

My primary objective is to leverage my extensive experience in teaching, research, and higher education management to propel a top-tier institution towards academic excellence by promoting innovation, driving positive change, and enhancing the learning experience for all members of its community.

SKILLS

Leadership
Critical thinking
Creative thinking
Teamwork
Innovation
Problem-solving
Proactiveness
Passion
Resilience

CURRENT POSITIONS

1981 - PRESENT

High School, Undergrad and Grad Professor in several national and international institutions – Currently Full-time researcher and professor at Universidad Tecnológica Nacional (UTN) Argentina

2016 - PRESENT

Founding Director of the Center for Educational Research and Innovation (CIIE) at UTN

OTHER HONORARY POSITIONS

- Associate Director of InnovaHiEd
- Senior member and Executive Committee member of the International Society for Engineering Pedagogy (IGIP)
- President of the IGIP Argentinean section
- Member of the Institute of Engineering Education, Argentinean National Academy of Engineering
- Member of the Engineering Advisory Committee, National Commission for University Evaluation and Accreditation

EDUCATION

- PhD in Education – Universidad de Buenos Aires (UBA) – 2022
- MSc in Information Technologies – Universidad Politécnica de Madrid (UPM) – 2005
- Electronic Engineer (PE) – Universidad Tecnológica Nacional – 1988

MOST IMPORTANT EXECUTIVE/LEADERSHIP POSITIONS

- 2021 – PRESENT: Executive Committee member, IGIP
- 2017 – 2019: VP of Capacity Building at the International Federation of Engineering Education Societies (IFEES)
- 2016 – 2017: Immediate Past President, IFEES
- 2014 – 2016: President IFEES
- 2014: Advisory Board member “The Engineering Education Report” Project
- 2013 – 2016: Executive Committee member, GEDC
- 2013 – 2015: Executive Committee member, IFEES
- 2013 – 2014: Superior Council member, Universidad de Palermo, Argentina
- 2012 – 2014: Dean, Engineering School, Universidad de Palermo, Argentina
- 2012 – 2013: Advisory Board member, “Horizon Report” focused on STEM disciplines, New Media Consortium
- 2012: Organizer and Co-Chair, World Engineering Education Conference 2012 in Buenos Aires
- 2011 – Europe-Latin America Policy Dialogue Council member (FORESTA Project)
- 2009 – 2011: National Universities Distance Education Network co-coordinator
- 2008 – 2012: Dean advisor, Engineering School, Universidad de Palermo, Argentina
- 2006 – 2012: Executive Committee Secretary, National Universities Interconnection Network, Argentina
- 2006 – 2008: iNEER (International Network for Engineering Education & Research) Leadership Council member
- 2003 – 2007: Chair, Microsoft Research Latin American Advisory Board
- 2002 – 2010: Academic Council member, Facultad Regional Avellaneda, UTN
- 2002 – 2008: Specialized Advisory Committee member, National Universities Interconnection Network, Argentina
- 2002 – 2006: Director, Bachelor of Learning Technologies, UTN
- 2002 – 2005: Academic Department Council member, Facultad Regional Avellaneda, UTN
- 2001 – 2012: ICT Secretary, UTN (position equivalent to Vice Chancellor for ICT affairs)
- 1997 – 2001: ICT Director, UTN
- 1997 – 2001: Founding Director, Communications Centre, Facultad Regional Avellaneda, UTN
- 1990 – 1993: Founding Director, Electronic Department, ORT High School, Argentina

SELECTED AWARDS AND RECOGNITIONS

- 2023: IFEES Duncan Fraser Global Award for Excellence in Engineering Education
- 2023: Bronze Award, Blended Learning Experience by the International E-learning Association
- 2022: Bronze Award, Blended Learning Initiatives by the International E-learning Association
- 2018: Special GEDC recognition
- 2018: 1st Category Researcher, Ministry of Education, Argentina
- 2015: “Distinguished Educator” Award, Industrial Engineering and Operations Management (IEOM) Society
- 2015: “Honorary Professor”, Universidad Ricardo Palma, Lima, Peru

- 2015: "International Engineering Educator Honoris Causa", IGIP (Austria)
- 2013: HP Catalyst Academy Fellow
- 2011: National Universities Interconnection Network, meritorious contribution recognition
- 2007: Sadosky Award for Teaching Quality finalist
- 2007: Microsoft Research Latin American Advisory Board, meritorious contribution recognition
- 2006: Sadosky Award for Teaching Quality finalist

SELECTED INTERNATIONAL CONFERENCE/ WORKSHOP INVITED SPEAKER (ONLY LAST 3 YEARS)

- September 2023 – Keynote Speaker, "Aportes de las TIC al aprendizaje centrado en el estudiante", Jornadas de Enseñanza de la Ingeniería, Paraná, Entre Ríos, Argentina
- July 2023 – Trainer, workshop, "Aprendizaje autónomo y adaptabilidad", Pontificia Universidad Católica de Perú.
- November 2022 – Trainer, workshop, "La evaluación orientada al aprendizaje", Pontificia Universidad Católica de Perú.
- September 2022 – Trainer, workshop, "The IEECP: A 180° turnaround towards innovative STEAM education", ICL 2022, Vienna, Austria
- November 2021 – Keynote Speaker, XVI Congreso Internacional de Ingeniería Industrial y Afines, Buenos Aires, Argentina
- September 2021 – Keynote Speaker, EDUC@TED 2021, Bogotá, Colombia
- December 2020 – Invited Keynote Speaker, "Desafíos para la Educación en Ingeniería pospandemia", XLVIII Congresso Brasileiro de Educacao em Engenharia y III Simposio Internacional de Educacao em Engenharia da ABENGE, Universidade de Caxias do Sul, Brasil
- November 2020 – Invited Keynote Speaker, "Experiencias en Realidad Virtual y Aumentada", Seminario Internacional, MacroFacultad de Ingeniería, Chile
- November 2020 – Panel Coordinator, "Transformando la Educación Superior: Necesidades y desafíos de la docencia", Congreso Virtual, Pontificia Universidad Católica Madre y Maestra, Santo Domingo, República Dominicana
- October 2020 – Invited Keynote Speaker, "A perfect storm for Higher Education", 9th International Conference on Interactive Collaborative and Blended Learning – ICBL2020, McMaster University, Hamilton, Canada
- August 2020 – Trainer, 6-weeks workshop about "Assessment for developing competencies in Higher Education", Facultad de Ingeniería, Universidad Nacional de Asunción, Paraguay

SELECTED ENGINEERING EDUCATION RESEARCH & CONSULTANCY ACTIVITIES

- 2015 – 2023 - Research professor at UNM (USA)
- 2021 – 2023 – Project Director, "Development of a reengineering process for educational change and continuous improvement of Engineering Education at UTN", UTN, ARS 2.000.000
- 2019 – 2021 – Project Director, "Use of Virtual and Augmented Reality in Physics and Mathematics courses in Engineering", UTN, ARS 1.200.000
- 2017 – 2018 – Project Director, "Use of interactive applications in Basic Sciences teaching and learning processes", UTN, ARS 660.000
- 2014 – 2015 – Project Director, "Social networks and teaching in Engineering: Resignification of the new media in university education", UTN, ARS 58.000

- 2013 – 2014 – Project member, “The training of teachers in ICT: TPACK Model (Technological, Pedagogical and Content Knowledge)”, Universidad de Sevilla, Spain, € 10.000
- 2013 – 2014 – Project Director, “GAME (GeoGebra Application for Meaningful Education)”, Universidad de Palermo (funded by HP), USD 16.000
- 2012 – 2013 – Project member, “Social networks for training: How do university students perceive them in their classrooms?”, Universidad de Sevilla, Spain, € 10.000
- 2010 – 2011 – Technical Cooperation Project member, “FORESTA (Fostering the Research Dimension of Science and Technology Agreements)”, Consortium of European and LA Universities, Funded by the European Union, € 524.000
- 2010 – 2011 – Project Director, “LATIN@UTN "Learning and Teaching in Networks at UTN", UTN (funded by HP), USD 100.000
- 2007 – 2008 – Project Co-director, “Evaluation and design of technological platforms in LMS's”, Universidad Nacional de Mar del Plata and UTN, ARS 5.000
- 2006 – 2007 – Project member, “Integration of mobile technology into virtual teaching and learning environments”, Universidad Nacional de La Plata and UTN, ARS 5.000
- 2005 – 2009 – Technical Advisory Project member, “AUGERACCESS - Integrating Auger Observatory and European Research Institutions into a worldwide Grid”, Consortium of European and LA Universities, Funded by the European Union
- 2004 – 2005 – Project Director, “AMERICA@UTN - Learning based on advanced media and information and communication resources”, UTN (funded by HP), USD 100.000
- 2003 – 2004 – Project Director, “RUT/RA3”, UTN, ARS 50.000

SELECTED ENGINEERING EDUCATION PUBLICATIONS (ONLY LAST 3 YEARS)

- Göbel K., Neuber K., Lion C., Cukierman U. (2023). Self-Efficacy in Online Teaching during the Immediate Transition from Conventional to Online Teaching in German and Argentinian Universities-The Relevance of Institutional Support and Individual Characteristics. *Educ. Sci.* 13, 76.
- Cukierman U. R., Pérez T., Roces J.L. (2022). Educación del Ingeniero del Siglo XXI. *Problemática de la Educación en la Argentina*, 295–312.
- Cukierman U., (2022) Tecnologías duras y competencias blandas para la formación de los profesionales del futuro, 20th LACCEI International Multi-Conference for Engineering, Education, and Technology
- Cukierman U., Lion C. (2022) The Emergence of the Emergency in Higher Education in Argentina, *International Journal of Emerging Technologies*
- Cukierman U. et al (2021) Análisis FODA de las Realidades Extendidas como recurso para la modalidad virtual, 2021 LACCEI International Multi-Conference of Engineering, Education and Technology.
- Cukierman U. (2021) Estándares de Segunda Generación orientados al desarrollo de competencias, *Revista Argentina de Ingeniería*
- Cukierman U., Di Blasi Regner M. (2021) Tecnología y Reingeniería para el Cambio Educativo y la Mejora Continua en la UTN, *Actas de Jornadas y Eventos Académicos de UTN*
- Cukierman U., (2020) Improving the understanding of Basic Sciences concepts by using Virtual and Augmented Reality, *Procedia Computer Science*
- Cukierman U., Palmieri J., (2020) Una experiencia de Innovación Educativa en Educación en Ingeniería: 10 años promoviendo el Enfoque por Competencias en el grado, 18th LACCEI International Multi-Conference for Engineering, Education, and Technology, Virtual Edition - LACCEI 2020
- Cukierman, U. y Vendrell Vidal, E. (2020). Aprendizajes reales en ambientes virtuales: El rol de la tecnología en la era de la Inteligencia Artificial y el Big Data. *Cuaderno de Pedagogía Universitaria*, Vol. 17, N° 34, julio-diciembre, pp. 59-67