

# Uriel Rubén Cukierman

---

## PERSONAL INFORMATION

- Public websites and social networks: <https://magic.ly/Uriel>
- Current positions:
  - Director of the Center for Educational Research and Innovation (CIIE) at the Universidad Tecnológica Nacional (UTN) in Argentina
  - Part-time Professor of “Communications and Networking” at UTN
  - Associate Director of InnovaHiEd
  - Research Professor, University of New Mexico, USA
  - President International Society for Engineering Pedagogy (IGIP) Argentinean section
  - Member of the Institute of Engineering Education, Argentinean National Academy of Engineering

## ACADEMIC QUALIFICATIONS

- Pending doctoral dissertation in the field of Engineering Education – Universidad de Buenos Aires (UBA)
- MSc in Information Technologies – Universidad Politécnica de Madrid (UPM) – 2005
- Electronic Engineer (PE) – Universidad Tecnológica Nacional – 1988

## MOST IMPORTANT EXECUTIVE/LEADERSHIP POSITIONS

- 2019 – present: President IGIP Argentinean section
- 2017 – 2019: VP of Capacity Building at the International Federation of Engineering Education Societies (IFEES)
- 2016 – present: Founding Director of the Center for Educational Research and Innovation (CIIE) at the Universidad Tecnológica Nacional (UTN) in Argentina
- 2016 – 2017: Immediate Past President, IFEES
- 2014 – present: Associate Director of InnovaHiEd
- 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**

- 2018: Special GEDC recognition
- 2018: 1<sup>st</sup> 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)**

- 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
- November 2019 – International Advisory Committee member, WEEF 2019, Chennai, India
- November 2019 – Invited Keynote Speaker, “A New Engineering Education for a New Era Improving our student's learning by adapting our teaching methodologies to the Generation Z”, WEEF 2019, Chennai, India
- September 2019 – Trainer, 2-day workshop about “Competency Based Education in Engineering”, Facultad de Ingeniería, Universidad Nacional de Asunción, Paraguay

- February 2019 – Trainer, 2-day workshop about “Competency Based Education in Engineering”, Facultad de Ciencias e Ingeniería, Pontificia Universidad Católica Madre y Maestra, Santo Domingo, República Dominicana
- November 2018 – Panel Coordinator, “Disruptive Innovations in STEM Education”, WEEF 2018, Albuquerque, NM, USA
- June 2018 – Trainer, 1-day workshop about “Technology and Learning in Engineering Education”, Facultad de Ingeniería y Ciencias, Universidad de la Frontera, Temuco, Chile
- May 2018 – Trainer, 1-day workshop about “Technology and Learning in Engineering Education”, Facultad de Ingeniería, Universidad del Bio Bio, Concepción, Chile

### **SELECTED ENGINEERING EDUCATION RESEARCH & CONSULTANCY ACTIVITIES**

- 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)**

- 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, Nº 34, julio-diciembre, pp. 59-67

- Cukierman U. et al., (2019) Improving the understanding of Basic Sciences concepts by using Virtual and Augmented Reality, 2019 World Engineering Education Forum (WEEF), Chennai, India, 2019
- Morell L., Cukierman U., Vendrell E., Buxeda R., Saliceti L., Sjursen H., Rivera W., Guzman M., Correa L., Palmieri J., (2019) Was It Worth It? Results of an Engineering Educator Capacity Building Program, 47th SEFI Annual Conference, Budapest, Hungary.
- Morell L., Buxeda R., Cukierman U., Rivera W., Sjursen H., Vendrell E., (2018) A Developmental Framework for Teaching Expertise for Engineering and Related Disciplines, 2018 World Engineering Education Forum - Global Engineering Deans Council (WEEF-GEDC), Albuquerque, NM, USA, 2018, pp. 1-6.
- Cukierman U. et al., (2018) A Student-Centered Approach to Learning Mathematics and Physics in Engineering Freshmen Courses, 2018 World Engineering Education Forum - Global Engineering Deans Council (WEEF-GEDC), Albuquerque, NM, USA, 2018, pp. 1-5.
- Cukierman, U., Recabarren P. (2018) Educación en la era de la 4ª Revolución Industrial: Competencias para un mundo donde lo único constante es el cambio, Revista Argentina de Ingeniería, Vol. 5, Num. 11, 83-86
- Cukierman U. (2018) Aprendizaje centrado en el estudiante: un enfoque imprescindible para la educación en ingeniería, In: Giordano Lerena R., Lozano Moncada C. (eds) Aseguramiento de la Calidad y Mejora de la Educación en Ingeniería: Experiencias en América Latina, ACOFI, Bogotá, 27 – 39.
- Morell L., Cukierman U., DeBoer J., Delaine D., Kandakatla R., (2018) Leveraging Professional Networks for an Equitable, Smart Society - A Case Study on the International Federation of Engineering Education Societies, In: Auer M., Kim KS. (eds) Engineering Education for a Smart Society, vol 627. Springer, Cham, 237 – 252.