Rocío Aldeco-Pérez

Rocío Aldeco-Pérez is a Research Associate Professor at [Universidad Nacional Autónoma de México](#) (UNAM), [Faculty of Engineering](#) at the Department of Computer Engineering. She also collaborates at the [Computer Science and Engineering Posgraduate Program](#).

She holds a PhD in Computer Science from the [University of Southampton](#) in the area of provenance as secure evidence for automatic audits. Rocío also holds a Bachelor of Science and a Master of Science from the [Benemerita Universidad Autonoma de Puebla](#), Mexico. During her studies she specialised in Computer Security.

She has led and collaborated in various research projects related to security, traceability and education. Currently, she is CO-PI at the [Algorand Centres of Excellence](#) [MEGA-ACE](#) in collaboration with Purdue University. At UNAM, she administrate the [CISCO Hybrid Classroom](#) and collaborates at the [Artificial Intelligence Lab](#) at UNAM.

She has also consulted and offered specialized courses to government and industry about privacy and security of information. In addition, she teaches courses related to Security and Cryptography at the [Bachelor in Computer Engineering](#) and the [Master in Science and Engineering in Computing](#) both at UNAM while continuing her research and supervising Bachelor's and Master's students.

Currently she is Head of Department of Computer Engineering and an active member of the [AMEXCOMP Women's chapter](#) to promote equality in Computer Science in Mexico

Her research interest are:

- **Privacy of information:** Developing new techniques to preserve information privacy during processing of data (pseudo-anonymization, anonymization).
- **Decentralised and Distributed Authentication Protocols:** Improving and developing new protocols that support trust through the use of cryptographic evidence and provenance (i.e. blockchain and digital audits).
- **Applications of Blockchain to improve services:** Creating government digital services that are transparent, traceable and trustworthy by the use of Blockchain.
- **Information Security:** Improving and adapting information security techniques to new scenarios (i.e. Security in IoT, Anonymization in Data Science, Security and traceability in ML).

Interested in working with me? Fill in this:

[Formulario en Español](#)   [Form in English](#)

Contact: raldeco at unam dot mx

Curriculum Vitae

Qualifications

2012	**PhD Computer Science**, University of Southampton.
	Thesis: "Secure Provenance-based Auditing of Personal Data Use"
2005	**MSc Computer Science**, *Network Security*, Benemerita Universidad Autonoma de Puebla, Mexico.
2002	Thesis: "Modelado UML e implementación de los servicios de privacidad y autenticación del IEEE 802.11 usando Criptografía de Curvas Elípticas"
	BSc Computer Science, *Distributed Systems*, Benemerita Universidad Autonoma de Puebla, Mexico.
	Thesis: "Especificación y Verificación de TCP usando SDL"

Honours and Awards

2022 - 2027	National System of Researchers - Candidate
2024	"Mujer Inspiración", by Code 4 DEI Software Developers Community.
2017	Alumni Awards 2017 Finalist, Professional Achievements, British Council México, February 2017.
2015	"Researcher Links 2014" awarded by British Council to organise the Intelligent Disaster Management Workshop in collaboration with University of Southampton. This workshop brought together researchers and emergency responders from The United Kingdom, Mexico, and The Netherlands, forging partnerships that continue to this day.
2006 - 2010	CONACyT scholarship for studying a research PhD abroad
2006 - 2009	Alban scholarship for studying a research PhD on the EU
2006 - 2009	University of Southampton scholarship for studying a research PhD
2006	Fundación Beca travel scholarship for studying a research PhD abroad
2003 - 2005	CONACyT scholarship for studying a MSc
2002	"La Ciencia en tus manos" scholarship granted by the BUAP to bachelor students who want to pursue a research career

Working Experience

2023 - current	Head of Department of Computer Engineering, School of Engineering, UNAM
2019 - current	Associate Professor at Universidad Nacional Autónoma de México.
2017 - 2019	Regional Head of Computer Science Department, Tecnologico de Monterrey, Campus Queretaro
2015 - 2017	Head of School of Information Technology and Electronics, Tecnologico de Monterrey, Campus Queretaro
2014 - 2015	Associate Professor, Tecnologico de Monterrey, Campus Queretaro
2012 - 2014	Full-time Lecturer Tecnologico de Monterrey, Campus Puebla
2012	Research Intern, TIC Thematic Network, Grand Challenge4: Security and transparency of information and services, sponsored by CONACyT
2006	Part Time Lecturer, Universidad Tec Milenio, Mexico
2003 - 2005	Part Time Lecturer, Escuela Libre de Computación, Mexico
2002 - 2003	Part Time Lecturer, Universidad de Oriente, Mexico
2002 - 2003	Part Time Lecturer, Universidad de América Latina, Mexico