

Biography



<https://www.computer.org/profiles/ignacio-castillo>

Jose-Ignacio Castillo-Velázquez has been working for 30 years in computer and telecommunication industries in 120 national and international projects as a team member, or leader on technical and management positions. (27 years in academy and 17 years in industry).

He is Professor-Researcher and Director of the Advanced Networking Laboratory and Tech Transfer at Universidad Autonoma de la Ciudad de México (UACM). He is also a Data Center Dynamics Consultant
Interests: Internet networks & data centers, engineering management and Competitive Intelligence and Smart Cities.

International & National Awards and distinctions (23):

IEEE ANDESCON Best Paper Award – 2020 & 2022

IEEE Computer Society Distinguished Lecturer 2015-2017

IEEE Computer Society Golden Core Member - 2012

ACADEMY: Full time Professor-Researcher at 3 Universities: Autonomous University of Mexico City (since 2008), UPAEP (99-06) & UTM (98-99). SCOPUS: [h index 10]

Visiting professor/PT for Universities: UPS, UDEFA(Army), UAM & BUAP.

He wrote: 60 journal and conference papers (50 SCOPUS INDEXED), 16 tech reports and +100 divulgation articles for magazines & newspapers.

4 books: 3 on computer networks (1 in 3rd edition) & 1 in leadership.

He has advised 23 masters, bachelor thesis.

He has lectured 148 undergraduate and graduate courses for a total of 12,038 hours with students.

He offered 216 keynotes, invited talks and 22 tutorials for conferences.

One software product: UTILCON <http://www.utilcon.esy.es>

Referee for 6 IEEE and Springer Journals, Transactions and Magazines and 30 international conferences for a total of 110 papers reviewed.

Technical program chair for the IEEE SSIT – ISTAS 2024 Puebla, Mexico

INDUSTRY: He is a consultant for DATACENTER DYNAMICS (London/Spain-LATAM).

He worked with TELMEX-REDUNO, (Telecommunications ISP), Electoral Federal Institute-IFE as Data Transmission Center Coordinator.

DICINET for Novel networks. Member of ICREA for Data Centers and ISO /IEC Mexico for standard 27000.

He received his bachelor's degree in sciences in Electronic Sciences, with honors, and M.Sc. degree in Electronic Devices, both from the Autonomous University of Puebla, Mexico.

Topic Abstracts:

Talks can be offered in English or Spanish

TOPIC 1:

Information technology management and competitive intelligence: Iberoamerican and Global Case Studies

Abstract: Information is a vital asset for an organization, which is why it requires not business administrators but information administrators. They must develop skills to select, curate, analyze, and synthesize

information using technologies that allow it to be converted into knowledge, and then stored and protected. The processed information and knowledge must allow an organization to make decisions that give it sustainable competitive advantages, such as cost reduction, process optimization, and increased competitiveness with a human dimension. Competitive intelligence is both tactical and strategic. For example, in the stock market, the average life cycle of 50% of companies is 5 years. Therefore, the recurring question is: Will my company be alive in the coming years? We can apply these principles to the life cycles of individuals and public and private institutions, universities and research centers.

TOPIC 2:

The Cyborg and Smart People convergence for Smart Cities: Social Implications

Abstract: The talk offers a panoramic view of how the concepts of smart people and cyborgs can converge via human implants to accelerate innovations that integrate us into smart and resilient cities. Resilient cities must prepare for future pandemics, power and internet outages, financial system failures, hurricanes, earthquakes, and other phenomena. But on the other hand, social and ethical implications move pros and cons, which have raised discussions in different social sectors which oppose the implementations. As part of the talk, my book "Redes de datos contexto y evolucion" can be shared for free.

TOPIC 3:

Smart people & leadership development

Abstract: "Smart people" is one of the characteristics of "Smart Cities." It's not enough to have intelligent, skilled, and trained individuals; team building is required. The transition an engineer undergoes from junior to senior level of maturity is also addressed. While artificial tools are empowering, so is the creative power of thought and its own tools, and like all knowledge, it requires discipline. Volunteering experiences and services to others are also shared. As part of the talks, my book "La ruta de otro Santiago" can be shared for free.

Some Links to talks on YouTube

For few of the 216 keynote talks offered since 2010

English:

#2 IEEE Turkey Data Centers Cloud Computing DVP

<https://youtu.be/B1vtDyil8Vw>

#19 Connectivity and Management for CANARIE UPDATED to IPv6 :

https://www.youtube.com/watch?v=-qktBQb_bTM

Spanish:

#33 Prepa & Soft Skills

<https://www.youtube.com/shorts/9JVuqDoyzS8?feature=share>

