



# UPM Tech Boston

**LUIS SALGADO ALVAREZ SOTOMAYOR, PHD**  
TENURED FULL PROFESSOR AT TECHNICAL UNIVERSITY OF MADRID (UPM).  
DIRECTOR FOR NORTH AMERICA

**ISABEL ORTIZ MARCOS, PHD**  
ASSOCIATE PROFESSOR AT UPM. DIRECTOR LEADERSHIP AND TECHNOLOGY  
CENTER

## Introduction

This is an international professional orientation and development course that will take place in Boston from July 6<sup>th</sup> to July 14<sup>th</sup> 2023. It is organized by Universidad Politécnica de Madrid in its Delegation for North America. The focus of the program is to provide Spanish students of engineering with the opportunity to learn about Boston's organizations and universities in the areas of social innovation, entrepreneurship, professional development, industrial management, nature conservation, research and advanced studies.

## HOUSING

33 Harry Agganis Way Boston,  
Boston University MA 02215

With panoramic views and contemporary design features, this part of the John Hancock Student Village, or "StuVi-2" as residents call it, offers the very best of cosmopolitan living to upperclassmen. Elegant, modern, upscale: this building, located in the heart of West Campus, has the conveniences you need so you can concentrate on developing friendships or studying in comfort.

One of our newest residences, StuVi-2 accommodates 960 residents in two, unique high-rises. The 26-story north tower hosts juniors and seniors in an apartment-style setting, and the 19-story south tower houses sophomores, juniors, and seniors in a suite-style setting.

The desk is open from 6am to 12am (midnight). If there is no one stationed at the desk, there will always be an attendant on call that can come down to check in late arrivals. Contact person in case you need anything: Olivia (+1) 856-725-6101.

<https://www.bu.edu/housing/undergrad-housing/stuvi/33agganis/>

## THE AGENDA

The agenda presented may have changes due to the uncertainty we are living in. If needed, we will adapt to the circumstances.

Thursday, July 6 <sup>th</sup>	
08:15	Meeting at Harvard Wasserstein Hall 1585 Massachusetts Ave, Cambridge, MA 02138, EE. UU.   Room: WCC 3019
08:30	<b>Luis Salgado &amp; Isabel Ortiz</b> <i>"Welcome &amp; Objectives"</i>
09:00	<b>Participants presentations</b>
10:00	Coffee Break
10:30	<b>Amy Davies</b> Assistant Dean, Student Services and Programs <i>"HKS mission, Vision and Programs"</i>
10:50	<b>Amy Davies</b> Assistant Dean, Student Services and Programs <i>"On Gender Equity Policies"</i>
11:30	<b>Deborah Hughes Hallett</b> Adjunct Prof. - Harvard Kennedy School <i>"Analysis and Advocacy: Quantitative Methods in Policy"</i>
12:30	Lunch
13:45	Meeting at Harvard Square Outside main Harvard Subway Station next, at Out of Town News Kiosk
14:00	<b>Tour of Harvard University</b>
15:50	Meeting at Real Colegio Complutense (RCC) – Harvard 26 Trowbridge St, Cambridge, MA 02138.
16:10	<b>Daniel Sánchez Mata</b> Director of the Real Colegio Complutense at Harvard University <i>"Welcome and Presentation of the RCC"</i>
16:30	<b>John Cleveland</b> Strategic Advisor, Boston Green Ribbon Commission and President, Innovation Network for Communities <i>"Green Ribbon Commission &amp; Innovation Network for Communities"</i>
17:30	Welcome Cocktail at RCC – Harvard

<b>Friday, July 7<sup>th</sup></b>	
08:30	Boston University (BU) Meeting at the Biology Research Building (BRB) 5 Cummington Mall, Boston, MA 02215   Room 113
09:00	<b>Pamela Templer</b> Professor Department of Biology, Director BU URBAN Program <i>“Research in the Templer Lab: Imagining Future Forests Through Climate Change Experiments” and “URBAN: Graduate Program in Urban Biogeoscience and Environmental Health”</i>
10:45	Meeting at the Center for Computing & Data Sciences 665 Commonwealth Ave, Boston, MA 02215
11:00	<b>Dennis Carlberg</b> Associate Vice-President for University Sustainability <i>“Boston University Sustainability”</i>
12:30	Lunch
13:45	Meeting at the Center for Computing & Data Sciences   Room 1101 665 Commonwealth Ave, Boston, MA 02215
14:00	<b>Emily Ryan</b> Associate Director, Institute for Global Sustainability – Prof. Mechanical Engineering and Materials Science & Engineering <i>“Sustainable Technologies Research at Boston University”</i>
15:30	Meeting at Real Colegio Complutense (RCC) 26 Trowbridge St, Cambridge, MA 02138.
16:00	<b>Dano Weisbord</b> Executive Director, Sustainability and Chief Sustainability Officer, Tufts University <i>“Leadership for the Energy Transition”</i>
17:00	<b>Eduardo M. González</b> Senior Director, Information Security at Santander Bank, N.A. <i>“Españoles (de la UPM) por el Mundo”</i>
18:00	Day Closing

### About **Amy Davies** (Thursday 6<sup>th</sup>)

Amy Davies is Assistant Dean for Student Services and Programs at the Harvard Kennedy School; her work includes managing all of the HKS degree program directors (Master in Public Policy, Master in Public Administration (2-year and 1-year Mid-Career programs), Master in Public Administration/International Development and PhD) and their support teams as well as the student services team which works on school wide student programming, student government, clubs and caucuses, student conferences, and student disability accommodations. She is also responsible for Orientation for all incoming students and for Commencement. As part of her work she is an HKS Title IX Resource Coordinator, which involves working closely with Harvard’s Office of Gender Equity. In the past she has had other roles at HKS including leading the alumni office and the MPA Programs. Prior to HKS, Amy worked in national and regional roles for the U.S. Office of Habitat for Humanity International and as a consultant with Accenture. She

earned her MPA from HKS and her B.A. in Honors, History and English from Villanova University.

#### About **Deborah Hughes Hallett** (Thursday 6<sup>th</sup>)



Deborah Hughes Hallett is Adjunct Professor of Public Policy and Professor of Mathematics at the University of Arizona. She graduated from Cambridge University in England and has taught at Middle East Technical University in Ankara, Turkey, and Universiti Brunei Darussalam. Her work is on strategies to improve the teaching of mathematics, and she is interested in promoting international cooperation between mathematicians. With Andrew Gleason at Harvard, she organized the Calculus Consortium for Higher Education and started a foundation to promote innovative curriculum and pedagogy. She has served on committees for the National Academy of Sciences and organized three international conferences on the teaching of mathematics. She is a fellow of the American Advancement of Science and the author or coauthor of seven books, which have been translated into several languages. Her work has been recognized by prizes from Harvard, the University of Arizona, the Association for Women in Mathematics, the Mathematical Association of America, and in 2022 from the American Mathematical Society.

#### About **John Cleveland** (Thursday 6<sup>th</sup>)



John serves as Strategic Advisor to the Boston Green Ribbon Commission ([www.greenribboncommission.org](http://www.greenribboncommission.org)), a network of business and civic leaders supporting the implementation of the City of Boston Climate Action Plan.

John is also President and a co-founder of the [Innovation Network for Communities](#), a nonprofit focused on social innovation and large-scale change, especially in the ways that communities are responding to climate change --reducing GHG emissions and strengthening resilience.

Prior to founding the Innovation Network for Communities, John served as Vice President of IRN, Inc., a market intelligence firm located in Grand Rapids, Michigan that provided strategic planning, market research, automotive forecasting and merger and acquisition due diligence to mid-sized manufacturing companies. Prior to joining IRN, John worked as a private consultant; as director of Continuous Improvement for Grand Rapids Community College; and as director of the State of Michigan's industrial extension service.

John is co-author on three books related to social impact and climate change:

- [Life After Carbon – The Next Global Transformation of Cities](#) which describes how the leading climate innovation cities are replacing the pillars of the modern city model, converting climate disaster into urban opportunity, and shaping the next transformation of cities worldwide.
- [In Harm's Way – How Communities Are Addressing Key Challenges of Building Climate Resilience](#), published in 2021 and based on research funded by the Summit and Kresge Foundations.
- [Connect, Innovate, Scale Up – How Networks Create Systems Change](#), that distills several decades of work with a “generative social impact” networks developing large-scale social innovations.

## **Boston University (Friday 7<sup>th</sup>)**

Boston University was chartered in 1869 by Lee Claflin, Jacob Sleeper, and Isaac Rich, three successful Methodist businessmen whose abolitionist ideals led them to envision and create a university that was inclusive—that opened its doors to the world—and engaged in service to and collaboration with the city of Boston. From the day of its opening, Boston University has admitted students of both sexes and every race and religion. It is with pride that we count Martin Luther King, Jr. among our alumni. What makes us prouder still is the fact that when he received his doctorate from the Graduate School of Arts and Sciences in 1955, Dr. King was taking his place in a long line of individuals that stretches back to the University's founding. Other notable alumni include the first woman to earn a Ph.D., the first woman admitted to the bar in Massachusetts, the first Native American to graduate with a doctorate in medicine, and the first African-American psychiatrist in the United States.

## **About Pamela Templer (Friday 7<sup>th</sup>)**



Pamela Templer, PhD, is a professor in the Department of Biology and director of the PhD Program in Biogeoscience at Boston University. She is a biogeochemist who has published widely on the effects of air pollution, climate change, and urbanization on forest ecosystems, water, and air quality. She and members of her lab currently work in temperate forests of the northeastern United States, redwood forests of California, and tropical forests of Mexico and Puerto Rico. Additional information

about Pamela and her lab can be found at: <http://people.bu.edu/ptempler/>.

## **About Dennis Carlberg (Friday 7<sup>th</sup>)**



Dennis Carlberg is the associate vice president for sustainability and an adjunct assistant professor at Boston University. He is an architect with over 25 years of experience. Prior to joining BU, Dennis was a principal at Arrowstreet, a Boston-based architectural firm where he focused on sustainable design. He began his career at the Solar Energy Research Institute (now NREL) conducting daylighting research to improve building energy performance and indoor environmental quality.

Dennis co-chairs the Boston Green Ribbon Commission Higher Ed Working Group. He founded ULI Boston's Climate Resilience Committee and served on Technical Advisory Groups for Carbon Free Boston, Zero Net Carbon Zoning, and the Building Emissions Reduction & Disclosure Ordinance for the City of Boston.

At BU, he was a member of BU's Climate Action Plan Task Force which set a 2040 goal for carbon neutrality for the University. He is responsible for facilitating the implementation of the that Climate Action Plan including preparing for the impacts from climate change, procuring renewable energy for 100% of the University's needs, decarbonizing building energy use, and addressing indirect emissions.

Carlberg received his Master of Architecture degree from the Massachusetts Institute of Technology and his Bachelor of Arts in Architecture from the University of California, Berkeley.

#### About **Emily Ryan** (Friday 7th)

Professor Emily Ryan is an Associate Professor in the Department of Mechanical Engineering and the Division of Materials Science and Engineering, a Founding Faculty Member of the Faculty of Computing and Data Sciences, and an Associate Director of the Institute for Global Sustainability at Boston University. She received her Ph.D. in mechanical engineering from Carnegie Mellon University in 2009. After graduating from Carnegie Mellon she worked as a post-doctoral research associate and staff computational scientist in the Computational Mathematics and Engineering group at the U.S. Department of Energy's Pacific Northwest National Laboratory. Since joining Boston University in 2012, she founded the Computational Energy Laboratory, which focuses on the development of computational models of advanced energy systems, including batteries, fuel cells, carbon capture technologies, and fuel injectors. Her research focuses on resolving interfacial phenomena in these systems to understand the chemical-physical processes that are central to the operation and degradation of energy systems. Her research is funded through the National Science Foundation, the Department of Energy, and industry.

#### About **Dano Weisbord** (Friday 7th)



Dano serves as Chief Sustainability Officer at Tufts University. In this role, he advances university vision and strategy for sustainability. He engages students and faculty in authentic problem solving on campus as way to cultivate hope, prepare students to be change-makers, and to leverage academic leadership and excellence.

Prior to Tufts, Dano was the Associate Vice President for Campus Planning and Sustainability at Smith College where he advanced to construction the electrification of the campus energy system by linking the operational aspirations to faculty and student work.

Dano is an Advisory Board Member of the Net Zero Universities at the Sustainable Development Solutions Network and a former Director of the Global Association of Corporate Sustainability Officers (Now part of IEMA – UK). Dano graduated from Tufts University with a Master of Arts in Urban and Environmental Policy and Planning after receiving a Bachelor of Fine Arts in Industrial Design from Rhode Island School of Design.

#### About **Eduardo M. González** (Friday 7<sup>th</sup> )



Eduardo is a Telecommunications Engineer from the UPM, graduated in 1997. More than half of his professional career he has been outside of Spain. He began working as a consultant for 5 years and has experience in communications companies (Airtel-Vodafone, BT), finance companies and public administrations. Already at this time he had assignments in other countries (e.g. Lisbon, London) and international experience. He then spent 5 years working in Houston, TX, for a network of hospitals as an IT

Director. He went back to Spain 14 years ago to work in Santander Bank, moving to Boston 9 years ago. He has covered various IT positions from ITSM process manager to several production related positions. He has a Senior Director position in Information Security and lately he has been working in the Cloud adoption strategy for the bank in the US.

<b>Monday, July 10<sup>th</sup></b>	
08:30	Meeting at 4 Blackfan St, Boston, MA 02115
09:00	<b>Dario Lemos</b> Assistant Professor of Medicine in Harvard Medical School and Associate Bioengineer in Brigham and Women's Hospital <i>"Leadership and Innovation in the Biomedical Field in the Era of Biotech"</i>
11:10	Meeting at Consulate General of Spain 31 St James Ave #905, Boston, MA 02116
11:30	<b>Ana Durán de la Colina</b> Consul General of Spain in Boston
12:15	Lunch
13:45	Meeting at 60 Vassar St, REAR, Cambridge, MA 02142
14:15	<b>Jesús del Álamo</b> Donner Professor and Professor of Electrical Engineering at MIT EECS <i>"A conversation with Jesús del Álamo"</i>
15:30	<b>MIT.Nano Visit</b> 60 Vassar St, Cambridge, MA 02142. Third Floor.

<b>Tuesday, July 11<sup>th</sup></b>	
08:30	Meeting at Wasserstein Hall – Harvard University 1585 Massachusetts Ave, Cambridge, MA 02138, EE. UU.   Room: WCC 3018
09:00 – 10:30	<b>Ardeth Barnhart</b> Senior Fellow Institute for Sustainable Energy – Boston University <i>"Renewable Energy Systems and Sustainability – part of a global energy transformation"</i>
10:00	Coffee Break
10:30	<b>Jordi Albo-Canals</b> Chief Scientific Officer at Lighthouse DIG <i>"Academic entrepreneurship ecosystem in Boston, Innovation Cells and Innovation Readiness" - I</i>
11:45	Lunch
12:30	<b>Jordi Albo-Canals</b> Chief Scientific Officer at Lighthouse DIG <i>"Academic entrepreneurship ecosystem in Boston, Innovation Cells and Innovation Readiness" - II</i>
14:00	Meeting at Observatory of the Instituto Cervantes at Harvard University Meet at 2 Arrow Street, Cambridge, MA 02138   4th floor



14:15	<p align="center"><b>Marta Mateo Martínez de Bartolomé</b> Executive Director of the Instituto Cervantes at Harvard University <i>“Observatory of the Spanish Language and Hispanic Cultures in the US”</i></p>
15:45	<p align="center">Meeting at MIT Media Lab Meet at 75 Amherst St, Cambridge, MA 02139</p>
16.00	<p align="center"><b>MIT Media Lab</b> <a href="https://www.media.mit.edu">https://www.media.mit.edu</a> <b>Luis Alonso</b> Research Scientist City Science</p>

### About **Dario Lemos** (Monday 10<sup>th</sup>)

Dario R. Lemos is currently serving as the Principal Investigator and Assistant Professor of Medicine at Harvard Medical School, located at Brigham and Women's Hospital. Since July 2019, he has been leading a research laboratory that focuses on preclinical translational research.

Lemos' primary area of research is centered around the identification of therapeutic targets and the development of novel therapies for renal disease and tissue injury. His approach involves combining animal models with human induced pluripotent stem cells (iPSCs) and bioengineered tissue derivatives, both in laboratory settings and in living organisms. His laboratory portfolio encompasses studying molecules involved in innate inflammation and cell metabolism in tissue damage and genetic diseases.

In addition, Lemos is actively engaged in innovating the field by integrating nanotechnology and personalized biology modeling to enhance therapeutic efficacy. He is involved in all aspects of research, including the execution of the research portfolio, project design and strategy, personnel supervision, data presentation at scientific conferences and meetings, and publishing scientific findings. Lemos has a remarkable track record in project management.

Lemos' academic experience includes serving as the Principal Investigator and Instructor of Medicine at Brigham and Women's Hospital-Harvard Medical School from November 2016 to July 2019. In this role, he led the establishment of a research laboratory to investigate mechanisms of myddosome signaling and cell metabolism. He supervised research activities, including the utilization of patient-derived iPSCs and gene editing techniques, and the development of an organoid line of research for drug discovery. Lemos also provided supervision, training, and mentoring to personnel while managing the research team. He has a successful track record of securing funding and publishing scientific papers.

Furthermore, Lemos has made significant contributions to the field of skeletal muscle regeneration during his time as a Research Associate at the University of British Columbia's Department of Medical Genetics. His groundbreaking discoveries included identifying the role of inflammatory mechanisms in driving muscle regeneration and degenerative diseases, as well as exploring potential therapeutic interventions. He supervised a team of lab members and demonstrated excellence in publications and scientific presentations. Lemos received funding from prestigious organizations such as the Canada Institutes of Health and Research and the Heart and Stroke Foundation of British Columbia.

Lemos holds a Ph.D. and has received several honors and awards, including the Brigham and Women's Research Institute Research Award in 2020, the Paul Teschan Award in 2021, and the Department Chair's Research Award from the Department of Medicine at Brigham and Women's Hospital in 2019. He also has a patent application in progress for a method related to the rapid generation of implantable synthetic lymphatic tissue. Overall, Lemos has made notable scientific contributions, particularly in the areas of inflammatory mechanisms driving tissue damage and degenerative diseases, as well as the development of experimental models for studying genetic diseases using human pluripotent stem cells and gene editing techniques.

#### About **Ana Durán de la Colina**. Consul General of Spain in Boston (Monday 10<sup>th</sup>)

Graduated in Law, she is a diplomat since 2008 and has held positions at the Embassy of Spain in Pakistan (2012-2013), at the Embassy of Spain in Santiago de Chile (2013-2017) and at the Embassy of Spain in Slovenia (2017-2019). Until her appointment as Consul General of Spain in Boston, she served as Head of Area for EU Countries at the Ministry of Foreign Affairs in Madrid.

#### About **Jesús del Alamo** (Monday 10<sup>th</sup>)



Jesús del Alamo is Donner Professor and Professor of Electrical Engineering in the Department of Electrical Engineering and Computer Science at MIT.

He holds degrees from Polytechnic University of Madrid (Telecommunications Engineer, 1980), and Stanford University (MS EE, 1983 and PhD EE, 1985). From 1977 to 1981 he was with the Institute of Solar Energy of the Polytechnic University of Madrid, investigating silicon photovoltaics. From 1981 to 1985, he carried out his PhD dissertation at Stanford University on minority carrier transport in heavily doped silicon.

From 1985 to 1988 he was research engineer with NTT LSI Laboratories in Atsugi (Japan) where he conducted research on III-V heterostructure field-effect transistors. He joined MIT in 1988.

Over the years, Prof. del Alamo has carried out research on transistors and other electronic devices in a variety of material systems. His research has involved Si solar cells, Bipolar Junction Transistors, and Metal-Oxide-Semiconductor Field-Effect Transistors (MOSFETs); SiGe heterostructure devices; GaAs, InP, InGaAs, and InGaSb High Electron Mobility Transistors, MOSFETs, FinFETs and Vertical Nanowire MOSFETs and Tunnel FETs and more recently Diamond MOSFETs. He has also investigated quantum-effect devices based on AlGaAs/GaAs heterostructures. His current research interests focus on the physics, technology, modeling and reliability of III-V compound semiconductor field-effect transistors for future logic and THz applications. He is also interested in fundamental reliability physics of GaN transistors for RF power amplification and power switching applications. More recently he is involved in exploring the potential of ferroelectric HfZrO<sub>2</sub> and proton-intercalation electrochemical devices for analog non-volatile memory applications for future neuromorphic computing systems.

Prof. del Alamo's students have earned numerous best paper awards at national and international conferences. For his research on InGaAs and GaN transistor technology and reliability studies he was awarded the 2012 Intel Outstanding Researcher Award in Emerging Research Devices, the 2012 Semiconductor Research Corporation Technical Excellence Award, the 2019 University Researcher Award by Semiconductor Industry Association and Semiconductor Research Corporation, the 2020 IPRM Award and the 2021 IEEE Cledo Brunetti Award.

Prof. del Alamo teaches undergraduate and graduate-level courses in electronics, electron devices and circuits, micro/nanofabrication technology and advanced semiconductor device physics. At some point, he was also involved in exploring the potential of internet-accessible laboratories for science and engineering education. He has received numerous teaching and achievement awards at MIT. In 1992 he was awarded the Baker Memorial Award for Excellence in Undergraduate Teaching. In 1993 he received the H. E. Edgerton Junior Faculty Achievement Award. In 2001, he received the Louis D. Smullin Award for Excellence in Teaching. In 2002, he received the Amar Bose Award for Excellence in Teaching. In 2003, he was named a MacVicar Faculty Fellow. In 2007, Prof. del Alamo was appointed Donner Professor, a distinction that continues to today. In 2012, he was awarded the IEEE 2012 Electron Devices Society Education Award "For pioneering contributions to the development of online laboratories for microelectronics education on a worldwide scale."

From 1991 to 1996, Prof. del Alamo was a National Science Foundation Presidential Young Investigator. In 1999 he was elected a corresponding member of the Royal Spanish Academy of Engineering. In 2005, he was elected a Fellow of the IEEE and in 2014 he was elected a Fellow of the American Physical Society. In 2015 he was granted a Doctor Honoris Cause by Universidad Politecnica de Madrid. He was elected a Fellow of the Materials Research Society in 2019.

### **MIT Nano Lab Visit (Monday 10<sup>th</sup>)**

The MIT Nano Lab visit offers a chance to explore a cutting-edge research facility focused on nanotechnology. You'll learn about the small-scale manipulation of matter and its applications in various fields. The visit includes an introduction to nanotechnology, tours of research stations, and insights from researchers. You'll witness advanced equipment and gain a deeper understanding of the potential of nanotechnology. It's an inspiring experience to engage with experts and explore the forefront of scientific discovery.

### **About Ardeth Barnhart (Tuesday 11<sup>th</sup>)**



Ardeth Barnhart is a Senior Fellow of the Institute for Global Sustainability (IGS) at Boston University. Her work examines the environmental, social, and economic impacts of renewable energy and the role of policy and technological innovation on climate adaptation and sustainable development. This work spans renewable energy, climate change mitigation and adaptation, environmental science and policy, sustainability, and strategic planning. She led the Renewable Energy Network part of the Institute of the Environment at the University of Arizona (UA), an Interdisciplinary research initiative program focused on increasing capacity in renewable energy research and connecting that research to solutions-oriented outcomes. Her projects have included the development of an off-grid solar desalination project on the Navajo Nation and an interdisciplinary study on the impact of climate change on the energy sector in the region. She designed and taught the first Green Economy course for the UA School for Social and Behavioral Sciences. Prior to working in academia, she worked in the private sector in software engineering and innovation in Seattle, Washington. She holds an MPA from Columbia University and a BS from Skidmore College.

## About **Jordi Albo-Canals** (Tuesday 11<sup>th</sup>)



"Chief Scientific Officer at Lighthouse, is a PhD telecommunications Engineer (EE/CS) by la Salle – Ramon Llull University. Between 2003 and 2017 He was an Associate Professor at La Salle BCN - Ramon Llull University (ES) where he Co-founded, EduEnginy (non-profit entity linked to Technovabarcelona.org and La Salle - Ramon Llull University): A center that promotes learning through robotics and other technological platforms. He led eight research projects related to Service and Social Robotics at La Salle - URL. During that period of time he received the following awards: the 2012 local Alan Turing award that recognizes an individual having an innovative and positive impact on society for developing a robot companion for children with traumatic brain injuries (TBI); Best Paper Award at RO-MAN 2015; The project FOLLOW ME received the 2015 La Caixa Social Innovation Award. Between 2014 and 2015 He was a visiting Professor at Tufts University. Between 2017 and 2020 he was an Affiliate Researcher at Personal Robots Group - MIT Media Lab in charge of the generation of multi-sponsors proposals to support the cloud-based applications research connected to JiboRobot (Educational BeAMaker, Commander App, and Coach application to treat cognitive loneliness). Between 2012 and 2016 He was the Robotics Director at La Salle Almere and the PI from la Salle of three projects funded by the Dutch Government. He also has experience with Big corp: He was the Robotics Innovation and Scientific Manager, NextGen, everis-NTT DATA (Madrid - ES) between 2016 and 2019, and the Chief Scientific Officer at Boston Exponential Hub, NTT DATA CORP (Boston - US). He combines his role at Lighthouse with being the Senior Research Scientist and director of Robots for Health at Sant Joan de Deu, Barcelona Children's Hospital. He recently started as visiting researcher at MGB-BWH and Harvard Medical School.

At Lighthouse he is the PI of the cloud-based solutions relevant for this project: WeShareCare - <https://we-sharecare.com/> and The Collaborative Online Robotics Platform in collaboration with Tufts University. In addition, he is the creator of IRT, the Innovation Readiness Tool to measure the level of innovation of corporations

## About **Marta Mateo Martínez de Bartolomé** (Tuesday 11<sup>th</sup>)



Executive Director of the Instituto Cervantes at Harvard University. Full Professor of English Studies and Translation at the Universidad de Oviedo (Tuesday 11<sup>th</sup>)

She has dedicated her teaching to English phonetics for Spanish speakers, the English language, English-Spanish translation, and translation theory at the University of Oviedo. Her research has focused on the translation of humour, theater and musical texts, as well as translation theory, topics on which she has published in prestigious national and international journals (such as The Translator, Meta, Linguistica Antwerpiensia, Target or Perspectives). Until she joined the Cervantes-Harvard Observatory, she coordinated the Translation and Discourse Analysis Research Group at the University of Oviedo. She has also been part of the Executive Board of the European Society of Translation (EST), has coordinated the Translation Studies Panel of the Spanish Association of Anglo-American Studies, and has been Associate Editor of Perspectives Studies in Translatology.

She also has experience as a translator from English to Spanish, both of academic and fiction works.

She has been a visiting professor and researcher at numerous foreign universities, such as Pennsylvania (USA), Montreal (Canada), Salvador de Bahia (Brazil), Leuven (Belgium), and Norwich, Warwick, Edinburgh, Oxford, University College London, Kent and Exeter (UK). She has also actively collaborated in university management, mainly in the field of internationalization, with relevant positions at the University of Oviedo, as Area Director for Europe and North America, and Director of La Casa de las Lenguas.

### **MIT Media Lab** (Tuesday 11<sup>th</sup>)

For over 30 years Media Lab researchers have anticipated and created technologies to make our lives safer, cleaner, healthier, fairer, and more productive. But along with benefits, technology's everyday efficiencies have also brought their share of issues: obesity, poverty, ethical implications, bullying, divergent politics. The Media Lab's antidisciplinary research community is uniquely equipped to address these concerns, leveraging the best that technology has to offer, and connecting technology back to the social and the human. Current Lab research examines the deeper implications of where technology creation and adoption has led us—and where we want to go next. <https://www.media.mit.edu>

### **About Luis Alonso** (Tuesday 11<sup>th</sup>)



Luis Alonso is a research scientist in the City Science group and Principal Investigator of the Andorra Living Lab Project. He has a PhD in architecture and coordinates the Andorra Living Lab project. He oversees the integration of the group's diverse research topics (energy consumption, city simulation, urban mobility, innovation district, and smart housing) in City Science Network of Collaborative Cities, to provide comprehensive solutions for urban and country challenges, in order to transform cities into more diverse and vibrant "human scale

ecosystems."

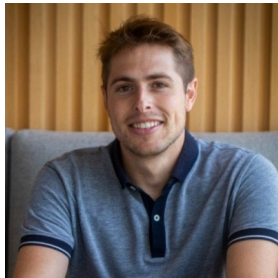
Since he is focused on very different lines of research and work, his antidisciplinary approach fits on the Media Lab philosophy: City Science, urban indicators, big data analysis, urban planning, architectural robotics, building design and construction, new and smart materials (free-form transparent energy efficient envelopes and biomedical uses), energy simulation and building efficiency and sustainability, eco-innovation, e-learning and its impact on social networks, new technologies, IoT, etc.

<b>Wednesday 12<sup>th</sup></b>	
08:30	Meeting at Wasserstein Hall – Harvard University 1585 Massachusetts Ave, Cambridge, MA 02138, EE. UU.   Room: WCC 3018
09:00	<b>Iván Casadevante Etxezarreta</b> Co-founder, VP of Product at ORI <i>“Entrepreneurship: Ori”</i>
09:45	<b>Eduardo Sastre</b> CEO of AirStat Inc <i>“Your brand at Network”</i>
10:30	Coffee Break
11:00	<b>David Lagares</b> Assistant Prof. of Medicine at Harvard Medical School   Co-founder Mediar Therapeutics and Zenon Biotech. <i>“Academic Entrepreneurship: Making the transition from Professor to CEO”</i>
11:45	<b>Santiago Ibañez</b> AI Entrepreneur   Enterprise Software   AI Lecturer & Speaker in Stealth <i>“Running startups in the US. Lessons learned and survival tips for foreigners”</i>
12:30	Lunch
12:30 – 13:15	<b>Pere Francino</b> CityVitae CEO & Founder. Research Executive Agency - MIT Sloan School of Management <i>“CitiVitaeCityVitae: Exclusively Sustainable EV Charging. A fireside chat on of how important is time and age to an entrepreneur”</i>
15:10	Meeting at the entrance of MIT building NW17 175A Albany St, Cambridge.
15:30	<b>Pablo Rodríguez-Fernández</b> Research Scientist at MIT Plasma Science and Fusion Center
16:00	<b>MIT Plasma Science and Fusion Center</b> <a href="https://www.psfc.mit.edu/">https://www.psfc.mit.edu/</a>

<b>Thursday 13<sup>th</sup></b>	
08:30	Meeting at Real Colegio Complutense (RCC) 26 Trowbridge St, Cambridge, MA 02138.
09:00	<b>Javier Prieto</b> COO at The Center for Ethics at MIT & Managing Partner at Terralpe <i>“Values Mining”</i>
10:30	Coffee Break
10:50	<b>Javier Prieto</b> COO at The Center for Ethics at MIT & Managing Partner at Terralpe <i>“Fear to Fail”</i>
12:00	Lunch

13:00	<b>Helder Freitas</b> VP of Business Development at BIAL Biotech Investments Inc. “Exposure <i>et al.</i> ”
15:00	Meeting at 100 Causeway Street Boston, MA 02114
15:30	<b>Verizon Innovation Labs</b>
16:30	<b>Thomas Sanchez-Ubich</b> Sr Manager UX and Market Strategy, MEC Product, Verizon Business Group “Meeting Thomas Sanchez”

About **Ivan Casadevante Etxezarreta** (Wednesday 12<sup>th</sup>)



Ivan is the co-founder and VP of Product at Ori. From early-stage prototyping to end-to-end management of Ori's supply chain, Ivan leads every step of the product development cycle. Along with the team of engineers he manages, Ivan has successfully launched new robotic furniture products to the market and deployed them at scale in hundreds of apartments, improving the quality of life of users.

Ori is a space efficiency company. Launched out of the MIT Media Lab in order to respond to the challenges of urban density, Ori designs spaces that are more flexible, sustainable, affordable and desirable. We have developed technology and design systems and products that create intelligent and responsive spaces. Our goal is to empower people to live large in a small footprint. We are tackling a big, complex problem. But we are an intrepid group with shared values focused on a mission to vastly improve urban living both in terms of experience and affordability. We all share the audacious belief that through creativity, ingenuity and perseverance we can bend the arc of an industry to improve lives.

About **Eduardo Sastre** (Wednesday 12<sup>th</sup>)



CEO of AirStat Inc an integration platform for indoor air quality and HVAC equipment aiming to reduce energy consumption and people's wellness. Principal Manager of Arrow Time Consultants LLC and Co-Founder of Quanta Development LLC. Quanta assists international companies entering the USA market through its extensive network, business programs, and physical and virtual offices.

Arrow Time offers clients project controls, scheduling, owner rep, BIM and Building energy consumption modeling to diverse industries.

Note of interest is that I was part of training a former Tour de France winner and now I apply my knowledge to guide startups as an advisor to startups through several entrepreneur programs.

In addition, my biggest passion is to help others and I am open to opportunities to partner with universities and foundations.

## About **David Lagares** (Wednesday 12<sup>th</sup>)



David Lagares, PhD is a scientist-entrepreneur with more than 15 years of experience in academic medicine, pharma and biotech. He is currently the Founder & CEO of Zenon Biotech and the co-founder of Mediar Therapeutics, two biotech start-ups in the Boston area developing drugs for the treatment of metastatic cancer and fibrotic diseases. The molecular targets that led to the foundation of these NewCos were identified at his academic research laboratory at Harvard University and the Massachusetts General Hospital. His innovative research and strategic vision about the future treatment of fibrotic diseases and cancer have been supported with multi-million dollar investment from VCs, federal funding, industry-sponsored research, and non-profit Foundation grants. A native of Madrid, Spain, Dr. Lagares holds a Ph.D. in Medical Research from the Autonomous University of Madrid and completed his postdoctoral training at Harvard Medical School. Before becoming Zenon's CEO, he was a Professor of Medicine at Harvard University. He is an MBA candidate at the Sloan School of Management at MIT, class of 25'.

David Lagares, Ph.D.

Founder & CEO, Zenon Biotech | <https://www.zenonbiotech.com>

Co-Founder, Mediar Therapeutics | <https://www.mediartx.com>

Principal Investigator, Lagares Lab | <https://lagareslab.mgh.harvard.edu>

## About **Santiago Ibañez** (Wednesday 12<sup>th</sup>)



Santiago is a co-founder and Head of AI at iCustomer, an early stage startup leveraging the Consumer Interest Graph for enterprises to unlock the value of their 1st party data. Prior to this, he was involved in NLP research at MIT-CSAIL and has a track record of being a serial AI entrepreneur. He has successfully founded two venture backed startups at the intersection of fintech, robo advisory, and alternative assets.

Before transitioning into the US technology space, Santiago has held several executive positions at some of the largest European energy companies, where he has built business from the ground up and developed project pipelines worth \$1B+ in multiple jurisdictions across Europe and the Americas.

Santiago is a Techstars alumnus as well as a startup mentor at MIT delta v (NY Studio) and Yale University (TSAI City). Santiago is also a lecturer at several business schools in Europe and the Americas, where he teaches AI and innovation at postgraduate degrees.

Santiago holds a MSc and a PhD in Electrical Engineering from the Technical University of Madrid, an MBA from IE Business School, and an MSc in Management of Technology from MIT.



### About **Pere Francino** (Wednesday 12<sup>th</sup>)



Pere Francino, CEO and Founder of CityVitae, completed his engineering degree in 1992 (Barcelona UPC), a MSc I&T in 1994 (Leeds UK) and his MBA in 2013 (MIT USA). In 1993 he published two influential papers on Artificial Neural Networks and Genetic Algorithms, focusing on optimizing ARIMA time series forecast methods for medical and industrial applications. During this time, he used a Toshiba T4400SX, (7.2lbs, 10MB of RAM and 25MHz of clock speed). CityVitae now operates hundreds of EV Charging stations along the East Coast of the USA. The company's infrastructure relies on a small number of powerful virtual machines, each over 10,000 times more capable than the Toshiba T4400SX. By leveraging reverse proxies and employing transportation engineering modeling techniques, CityVitae can accurately forecast the hours of utilization of any EV Charging stations in the urban space. Interestingly, despite his entrepreneurial pursuits, Pere spent 27 years of his 32-year career in multinational corporate organizations, indicating a somewhat contradictory professional trajectory..... or not ?

### About **Pablo Rodríguez-Fernández** (Wednesday 12<sup>th</sup>)



Dr. Pablo Rodríguez-Fernández works as a research scientist and group leader at the Massachusetts Institute of Technology (MIT) Plasma Science and Fusion Center. Pablo studied Industrial Engineering at the Universidad Politécnica de Madrid and holds a master's degree in mechanical engineering from Drexel University. Despite his engineering background, Pablo focused on the study of transport phenomena with computational plasma physics for this doctoral degree, which he received in 2019 from MIT. In his work, he employs state-of-the-art machine learning techniques to accelerate and optimize simulations of fusion reactors, and he has been leading the efforts of predicting the performance of the upcoming SPARC tokamak. Despite his young age, Pablo has authored over 40 scientific publications, and has been the recipient of important awards during his academic career, including being listed by Forbes magazine as part of their 30 Under 30 list in science.

<https://www.pablorf.com/>

### About **MIT Plasma Science and Fusion** (Wednesday 12<sup>th</sup>)

MIT Plasma Science and Fusion Center (PSFC) is a renowned research facility focused on plasma physics and fusion energy. They study high-energy plasma and aim to develop sustainable fusion energy solutions. The center conducts experimental and theoretical research, collaborates with partners, and trains students. PSFC strives to advance fusion science and realize fusion energy's potential as a clean power source.

### About **Javier Prieto** (Thursday 13<sup>th</sup>)



Javier Prieto is Partner at Terralpe Group and Chief Operating Officer at The Dalai Lama Center for Ethics and Transformative Values at MIT. Javier has worked in the investment and education sectors overseeing the strategic development of a multi-campus Business school in Mexico. Javier has a keen passion for human development through education, nature, and visual arts. Educated in Mexico, Australia, and the United States, he has produced documentaries focusing on lessons of multi-culturalism. Javier's spirit is one of constantly bringing people together and promoting conversations for a better world.

### About **Helder Freitas** (Thursday 13<sup>th</sup>)



Biologist by training, Helder spent some time in academia before joining the pharmaceutical industry in 2008.

Currently based in Boston, he runs the US subsidiary of the family owned, nearly centenary pharmaceutical group BIAL, establishing its presence in the vibrant biotech ecosystem of Cambridge, MA.

Throughout his career, Helder has had different roles of increasing responsibility, starting in international marketing before moving to business development and alliance management.

He has lived and worked in Africa, Europe and North America, while dealing closely with companies from all continents.

### About **Verizon Innovation Labs** (Thursday 13<sup>th</sup>)

5G and edge computing have the potential to transform how we use technology—but enterprises need a place to test their applications first. With onsite lab environments and mobile testing platforms, our Innovation Labs support enterprise teams with real-world technical validation, designed to accelerate solution development and offer deep engineering expertise to help you get the most out of the Verizon network.

## About **Thomas Sanchez-Ubich** (Thursday 13<sup>th</sup>)



As part of Verizon's Business Group, Thomas is responsible for the UI/UX of MEC (Multi-Access Edge Compute), market strategy and pricing. He focuses on enhancing customer experience through improvements in performance, reliability and ease of use of our Edge compute offerings. He also owns the market strategy for 5G/MEC, exploring the crossover of emerging tech into Verizon's ecosystem (Computer Vision, AR/VR, Edge Analytics, Blockchain among others), understanding current market conditions, competitive positioning and how products should adapt to meet customer needs.

Thomas has 16+ years of experience in both Fortune 100 companies and consulting firms across the US and Latin America. Throughout his career, he's held several roles in strategy, consulting, product management, project management and marketing, all for Retail or High-Tech companies.

Thomas earned an MBA from Hult International Business School, has a degree in Industrial Engineering and Project Management, studied Business Economics at Harvard University and recently graduated from MIT's Technology Leadership Program.

In addition to his passion for emerging technology, Thomas likes to spend time rock climbing, scuba diving or reading a good sci-fi novel.

Friday 14 <sup>th</sup>		
08:15	Meeting at 60 Vassar St, REAR, Cambridge, MA 02142	Meeting at 138 Albany St., NW13-213
08:30	<b>G1</b> MIT The Velasquez Group	<b>G2</b> MIT Nuclear Science and Engineering
09:50	<b>G1</b> MIT Nuclear Science and Engineering	<b>G2</b> MIT The Velasquez Group
11:15	Meeting at Real Colegio Complutense (RCC) 26 Trowbridge St, Cambridge, MA 02138	
11:30	<b>Juan Pérez Mercader</b> Department of Earth and Planetary Sciences, Harvard University <i>“Sintetizar vida en el laboratorio, buscarla en otros lugares del universo y usar la química para computar: investigación en la frontera del conocimiento.”</i>	
12.30	Lunch	
14:00	Experience closing. What do we take with us?	

#### MIT Laboratories:

- *Nuclear Science and Engineering.* 138 Albany St., NW13-213. <https://mcube.mit.edu/>  
**Elena Botica.** PhD student in the Department of Materials Science and Engineering at MIT
- *The Velasquez Group.* 60 Vassar Street, 39-566. <https://multiplexed.mit.edu/>  
**Jorge Cañada.** PhD student at MIT Electrical Engineering and Computer Science

#### About Juan Pérez Mercader, PhD. (Friday 14th)



Juan Pérez-Mercader earned his Ph.D. from the City College of New York. He is an Elected Member of the International Academy of Astronautics and of the European Academy of Arts and Sciences. In 1998 in Association with the NASA Astrobiology Institute, he founded Spain's Centro de Astrobiología (CAB) of which he was its first Director. He is the architect of Spain's current participation with infrastructure and instrumentation on board Mars Science Laboratory that arrived on Mars in August 2012. He is Profesor de Investigación in Spain's National Research Council (CSIC) and an External Faculty at the Santa Fe Institute. In 2010, he joined Harvard as a Senior Research Fellow in the Department of Earth and Planetary Sciences and the university's Origins of Life Initiative, where he leads a project on the "Top-down Synthesis of an Ex-novo Chemical Artificial Living System".

## PARTICIPANTS

This year will participate 16 students from the 5<sup>th</sup> Ed. of the Master International Leadership in Engineering and Architecture. Students hold or are doing a BSc / MSc in Engineering or Architecture from Universidad Politécnica de Madrid (UPM).

### DE EGUÍA GARCÍA

Laura

Hi! I am Laura, a 25 years old girl from Madrid.

As for my studies, I studied telecommunications engineering at Universidad Politécnica de Madrid (UPM, BSc), as well as a Master in Business Management. Shortly after I started to work at Cepsa as an engineer, changing after a year to TST, Deloitte's strategic technology consulting department, where I fit in much better.

I'm like an earthquake! I never stop, I'm always making a thousand plans... It is very difficult to find something I don't like, because of my curiosity and ambition. But if I had to choose hobbies, they would be traveling without any doubt, going to concerts, reading, trying new foods, going out with friends...

As for future plans I don't have the slightest idea... At the moment I dedicate myself to discard what I don't like.



### DE LA CRUZ MARTÍNEZ

María Luisa

My name is Marisa, and I hold a BSc in General Engineering with a specialization in Materials Science from Universidad Politécnica de Madrid (UPM). At present, I am in the final stages of completing my MSc in Industrial Engineering at UPM and a Master in Aerospace Materials at Cranfield University in the United Kingdom. This experience has not only allowed me to enhance my technical skills but also provided me with the opportunity to immerse myself in a multicultural environment.

My passion for sports has led me to manage large teams of people and budgets, as well as to maintain close relationships with companies. First, as president of our School's Sports Club and then thanks to my 2-year participation in Formula SAE (Chassis, Marketing, and Cost & Manufacturing).



**FERNÁNDEZ MARTIN**

**Denise**

Apart from the academic background that precedes me as an engineer, I am an enthusiastic and passionate person who has worked hard to achieve my goals and maximize my personal and professional leadership. Specialized in industrial chemistry (BSc at Universidad Politécnica de Madrid) and curious to discover all the branches and possibilities that engineering offers.



This year I have been studying for a Master in Business Administration (EOI) at the same time that I began my professional career in one of the most important energy companies in Europe, CEPSA. I am currently working as a Technology Development engineer in R&D in CEPSA where I lead different projects in order to achieve the objectives of the energy transition.

**GARCIA GUERRA**

**Ignacio**

Ignacio is an Industrial Engineer (BSc, Universidad Politécnica de Madrid, UPM), has a Master in International Catholic Leadership (International Academy of Catholic Leaders & UFV) and is a student of the Master in International Leadership in Engineering and Architecture (Rafael del Pino Foundation & UPM).



He has experience in organizing renowned social events such as the VOLUNFAIR volunteer fair where his sense of responsibility, proactivity, leadership and communication skills have been demonstrated.

He currently works at Deloitte as a Technology Consultant. He participates in the design, development and implementation of CRM solutions applied to companies in the financial services industry using Salesforce.

## GONZÁLEZ DEL POZO

José María

I am Chema Gonzalez, a senior architect from the Universidad Politécnica de Madrid (UPM) and a specialist in immersive technologies. Since the last years of my training and especially in my professional career I have developed a research on collaborative immersive technologies and extended realities apply to architecture, design and education.

During those years I formed an association in my university called XRLab, I founded a company located in the Real Estate sector that used these techs as business accelerators and I had the opportunity to live two years abroad, in Germany and Brazil respectively.

Currently I am working at Grupo Ortiz, a Spanish construction company in the digital transformation and innovation department, where I am a catalyst of improvement opportunities for the company and at the same time I develop immersive experiences of the projects for our clients.

Recently I have just been admitted by the UPM PhD program in Architectural Communication as a researcher to develop my thesis in the next years, in industrial PhD format, which will allow me to combine my research career with my working life.

I love sports, live music and taking my camper van out of the city, as close to the sea as possible!



## GONZALEZ TEJA

Adrián

Skilled aerospace engineer specialized in aeronautical vehicles (BSc at Universidad Politécnica de Madrid, UPM) with high interest in the sustainable development within Aerospace and Energy industries (ME Univ. Nebrija). Highly motivated individual with knowledge in industrial organization, and experience in optimization manufacturing methods and PMO. Strong ability to multi-task under pressure and teamworking, with solid communication and IT skills.

Currently working as a Technical Project Manager in Amazon, within the Amazon Robotics team in the UK.



## MONJO RODRIGUEZ

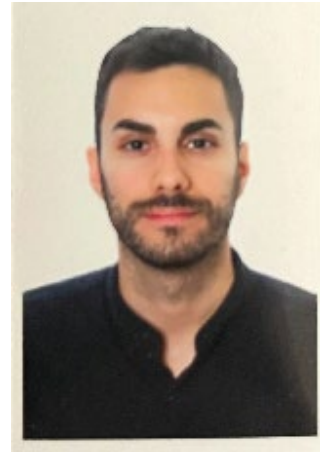
## Jaime José

Hi! I am Jaime Monjo.

I have studied the BSc in Computer Engineering and the MSc in Computer Engineering at the Universidad Politécnica de Madrid (UPM). Also, I am a student of the Master in International Leadership in Engineering and Architecture (Rafael del Pino Foundation & UPM).

I have been working at Inetum for 5 years. Currently, I am the UNIX Systems' leader of the Networks and Operations Center. I am managing a group of 8 people throughout Spain. I have worked with technologies such as Red Hat, Ubuntu, Oracle Linux, Aix and Solaris.

The most important thing is to move forward and always laugh.



## ORTEGA MOLINA

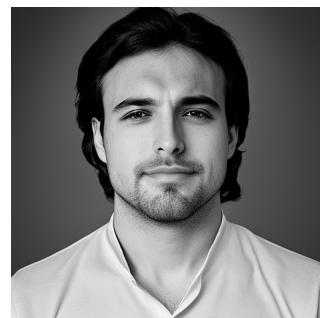
## Enrique

Enrique Ortega is an architect from the Universidad Politécnica de Madrid (UPM). He is an inventor who is passionate about learning and pushing the boundaries of knowledge to make a positive impact on the world.

Enrique aspires to improve the world through his work in technology, tradition and nature, facing challenges and learning from failures in his quest to generate meaningful solutions that improve people's lives. This was the case of Family Lab, an educational innovation project, which he developed with a wonderful team, focused on bringing families together through the development of soft skills.

His interest in the connection between architecture and biology has led him to investigate symbiosis as a mechanism for urban design, looking for ways to incorporate nature and its principles into cities.

As of late he has been working in Verisure, the leading innovation Home Security company, as part of the Proposition Management team.





## PÉREZ DE ARENAZA POZO

## Guillermo

Guillermo Perez de Arenaza is an engineer who holds a BSc in Telecommunication engineering from Universidad Politécnica de Madrid (UPM). Recognized as the best student of the Promotion 2022, his academic excellence is coupled with an array of qualities that include persistence, creativity, great teamwork abilities, excellent communication skills, and decision-making capabilities. With experience working at Red.es and multiple research fellowships at UPM, he has honed his skills and gained valuable practical insights. In addition to his academic and professional pursuits, he actively engages in complementary activities such as participating in the UPM Symphony Orchestra, pursuing a violin degree, and contributing to the Abandoned Villages Recovery Program. Through his diverse experiences and comprehensive skill set, he exemplifies a well-rounded and driven professional.



## REINA ALONSO

## Alberto

My name is Alberto Reina. I hold a BSc and a MSc in Industrial Engineering from the Universidad Politécnica de Madrid (UPM), as well as a MAE in Industrial Technologies and Operations from the Illinois Institute of Technology in Chicago. I have also completed a Master's degree in International Leadership with Universidad Politécnica de Madrid in collaboration with the Rafael del Pino Foundation.

With a wealth of experience, including serving as a college dean, managing purchasing projects for Metraflex Company at Chicago (IL), and contributing to the development of an AI tool for 3D design improvement in VR, I bring a blend of technical expertise and soft skills to my work. With my dedication to continuous learning and a passion for innovation, I am poised to make a significant impact in my workplace.

Next September, I am starting in a new position as a Field Engineer with Webber in the Waterworks Division in Austin, Texas.



## RODRÍGUEZ MORALES

Francisco

I am Francisco Rodríguez, a 24-year-old Civil Engineer (Universidad Politécnica de Madrid, UPM) specializing in Roads, Canals, and Ports. I have honed my soft skills through the International Leadership Master's program from UPM and the Rafael del Pino Foundation. I take pride in my ability to work effectively in a team, showcasing high levels of collaboration and discipline. When it comes to group projects, I bring my best to the table, always striving for excellence. Continual personal growth and development are key priorities for me, and I actively seek opportunities to enhance my leadership capabilities.



## SABER

Ziyad

I am Ziyad Saber, and I bring a strong international background and proficiency in five languages. These attributes have fostered a unique perspective and global mindset that I apply to the energy and mining industry (BSc & MSc in Energy and Mines Engineering from Universidad Politécnica de Madrid, UPM).

What sets me apart is my unwavering belief in the importance of a holistic vision to make the best decisions. I am driven by a deep passion to comprehend the interconnectedness of the energy and mining sector from both a technical and business perspective. This dedication is shown in my professional experience, which combines project management, business development, and finance.

Currently I am working as a Sales Engineer, where I have closed 1M€ in sales (about 7% of the annual turnover) and led several projects in the Oil&Gas and chemical industries. The stakeholders of these projects were from different countries, and I had to put into work my fluency in Spanish, French, English, Arabic, and even my working knowledge of Italian.

In my free time I love to play tennis, attend concerts and travel as much as I can!



**SANJUAN CASCANTE**

**Javier**

Hi, my name is Javier Sanjuán!

As a telecommunications engineer graduated from UPM, I have developed a strong foundation in the field of technology and currently, I serve as a dedicated business consultant at NFQ.

But my interests extend beyond the technical realm. I am a naturally curious individual who enjoys exploring numerous subjects, including history and current affairs.

I feel it is my duty to help society to progress in any way I can, and I believe that combining my knowledge and curiosity allows me to contribute positively to the world.

I'm excited to share this journey with you all!



**SANZ SERRANO**

**Lara**

Hi! My name is Lara. I am an MSc in industrial engineering student from Universidad Politécnica de Madrid (UPM). I am passionate about engineering as a way to create solutions that improve people's lives. I have specialized in construction, as it is a sector that I find very interesting and where I think there is great potential to develop new and more sustainable technologies. During my time at university I have been lucky enough to participate in different projects that have given me a broader vision of the profession.

In my free time, I love to learn new things, and I am interested in subjects such as History, Art, human evolution and natural sciences.



**SILVA**

**Javier Alonso**

## TRULLENQUE ESPALLARGAS | Ignacio

I am Ignacio Trullenque. I have obtained a BSc and a MSc in Industrial Engineering specializing in industrial organization from Universidad Politécnica de Madrid (UPM).

My desire to expand boundaries and get to know the world has led me to undertake two academic exchanges: at École CentraleSupélec in Paris, and at the Universidad Nacional Autónoma de México in Mexico City. These experiences have not only enhanced my academic training but have also completely changed the way I see the world around me.

My ability to understand and work with multiple disciplines is combined with effective communication and teamwork skills to achieve the best results. I am motivated by innovation, creativity, and the integration of technology in any social and sustainable environment.

I currently work as a Junior Consultant in the Technology Risk Advisory team at Deloitte Madrid. This position allows me to combine my technological background with my interest in the business world.





## **UPM Tech Boston**

*Space for learning and growing  
together. Come prepared!!*