FALLING WALLS LAB Tunisia

24 May 2023
Tunisian Higher Institute of Applied Studies in the Humanities, University of Tunis



CONCEPT

The Falling Walls Foundation founded Falling Walls Lab in 2011 to:

CONNECT aspiring innovators

DISCOVER and develop talents

SUPPORT interdisciplinary dialogue and international cooperation

DEVELOP new ways of scientific communication

BUILD new and strong networks

TIMELINE

12:25 pm

Master of ceremony: Martin Lampprecht

09:30-10 am	Participant arrival and registration/ Jury briefing
10:00 am	Welcome and introductory remarks
10:15-10:35 am	Pitches (Molka Nasraoui - Sirine Aouni - Rawen Zaafrani -
	Ahmed Mannai)
10:35-10:55 am	Networking break/ Jury session
10:55-11:15 am	Pitches (Narjes Bouguerra - Nadia Ben Aissa – Eya
	Boughanmi - Mohamed Ouerghi)
11:15-11:35 am	Networking break / Jury session
11:35-11:55 am	Pitches (Syrine Chabchoub - Imen Difai - Chaher Dhaoui -
	Sabrine Chtioui)
11:55-12:25 pm	Networking break / Jury session

Awards ceremony / Group picture



1. Pr. Leïla Najjar, Jury Chair

SUP'COM

Pr. Leïla Najjar received the Engineering Degree from Ecole Polytechnique de Tunisie in 1997, the Master's Degree in Automatic and Signal Processing from Ecole Supérieure d'Electricité Supélec, France, in 1998, and the Ph.D. Degree in sciences from the University of Paris XI, France, in 2002.

She joined the Higher School of Communication of Tunis (SUP'COM) as an Assistant Professor in 2006, where she is currently and since 2013 a Full Professor in Telecommunications. She conducts her research activities in the research laboratory Communications, Signal and Image (COSIM) of SUP'COM. Her current research interests are in the fields of statistical signal processing and signal processing for wireless communications. She supervised several MSc and PhD, as well as post-docs. She coauthored more than 20 publications in impacted scientific journals and 70 publications in ranked international conferences.

From 2020, she is the internship Director in SUP'COM, charged of International Relations and Partnership with Companies.

2. Dr. Sana Mami Kefi

Mediterranean School of Business (MSB)

Sana Mami Kefi is an Associate Professor of Economics at the Mediterranean School of Business (MSB) in Tunis and a coordinator of the South Mediterranean University Research Center. She holds a PhD and a MSc in Economics from the University of Quebec at Montreal (UQAM). Prior to joining MSB, she worked as a Consultant for the Development Research Department of the African Development Bank (AfDB). She also was a Teaching Assistant at the UQAM. Her research interests include development economics, economics of immigration, household choices and economics of education.

3. Dr. Ahmed Debez

Centre of Biotechnology of Borj-Cedria (CBBC)

Dr Ahmed Debez is currently working as Associate Professor at the Centre of Biotechnology of Borj-Cedria (CBBC) (Tunisia). He is the member of the Laboratory of Extremophile Plants (LPE) since 2019. After completing his Agronomics Engineer studies at the "Institut National d'Agronomie" (Algiers), he obtained a DEA in Plant Ecophysiology and a PhD in Plant Biology at the Sciences Faculty of Tunis, respectively in 1999 and 2005. He was recruited as Assistant-Professor at the CBBc in 2011 and obtained his "Habilitation universitaire" at the Sciences Faculty of Tunis in 2017. Dr Ahmed Debez focuses in his research on the characterisation and valorisation plants native of extreme (mainly saline and arid) environments. At the fundamental level, his activities aim at unravelling the mechanisms enabling these unique plants to thrive in such hostile conditions, by using multidisciplinary approaches. At the applied level, the environmental and economic potentials of halophytes are mostly emphasized. Dr Ahmed Debez has a long international experience, especially with Germany. Indeed, he is a former fellow of both the German Academic Exchange Service (DAAD) and the Alexander von Humboldt Foundation, respectively as PhD student and later as post-doctoral researcher at the Institutes of Botany and Plant Genetics (Department of plant proteomics) at the Leibniz University of Hannover (Germany). Besides, he was selected in 2013 as member of the Arab-German Young Academy of Sciences and Humanities (AGYA). He has published 80 articles in International peerreviewed journals and 15 book chapters related to his research topics. He is member of the Tunisian Association of Biotechnology and the International Plant Proteomics Organisation.

4. Dr. Julius Dihstelhoff

Merian Centre for Advanced Studies in the Maghreb (MECAM)

Dr. Julius Dihstelhoff has served since May 2020 as Academic Coordinator for the international "Merian Centre for Advanced Studies in the Maghreb (MECAM; www.mecam.tn)", which is based in Tunis. He is also post-doctoral research fellow in the Department of Politics at the Centre for Near and Middle Eastern Studies (CNMS) at Philipps University Marburg. His research focuses on Political Islam and German foreign policy in the Arab world since the so-called "Arab Spring" of 2010/2011, with a special focus on Tunisian transformation processes.

5. Manel Matmati

Industrial Company of Canned Food (SICAM)

Manel Matmati Is an Agronomic Engineer with 4 years of experience in industrial crop production and transformation. Working directly whether in technical assistance or production planning, she is in constant interaction with the different actors alongside the canned food value chain.

Specialized in agricultural production, Manel uses that experience to manage the harvest and transformation of the product within the quality standards.

By focusing on developing the food chain production in Tunisia, Manel has been able to put the agricultural production degree to good use.

Over the years MATMATI has been a part of many Projects that directly impact the community of crop producers in Tunisia by implementing innovative techniques regarding Mushroom production in urban farming or sustainable tomato production and transformation.

She also has a master in Biotechnology and Horticultural Genetics from the Mediterranean Agronomic School of Chania, Greece; and had the chance to participate in the Postgraduate training course, food chain in Agriculture in Germany.

In her free time Manel Is a Nature lover and likes spending time outdoors with friends and family."

MASTER OF CEREMONY

Martin Lampprecht

Manouba University

Martin Lampprecht, born 1976, is currently teaching German language, history and literature as a DAAD lecturer at Manouba University. Following his studies in Heidelberg, Vienna and Berlin, he gained a Master's degree in modern German literature from Humboldt University, Berlin. He subsequently taught at various universities in Germany, France and Lebanon. While working as a DAAD lecturer at the University of Aix-Marseille, he continued his studies and obtained a second Master's degree in film studies and documentary filmmaking. He has been living and working in Tunisia since 2022.

PRESENTERS

1 Molka Nasraoui National School of Advanced Sciences and Technologies of Borj Cedria

2 Sirine Aouni
Private Higher School of
Engineering and Technology
(ESPRIT)

I'm Sirine Ouni, actually i'm a
Telecommunication engineering
student specialized in Internet of
Things Systems and Services
(IoSyS) in the private higher
school of Engineering and
Technology (ESPRIT) and
Master of research student
specialized in cyber physical
systems at the higher institute of
applied sciences and technology
in Mateur (ISSATM). My studies
in ISSATM started in 2016 where
I obtained my bachelor degree in
2020 and my final year project
was achieved in Telebec
Underground Communications
Research Laboratory (LRTCS)
School of Engineering University
of Quebec at AbitibiTemiscamingue (UQAT) in which
i designed two antennas for
wireless body area network
(WBAN) applications.
For now, I'm working on how to
optimize the reconfigurable
intelligent surfaces for better
underground communications as
a final year research project for
the master thesis.

3 Rawen Zaafrani Higher Institute of Applied Sciences And Technology of Sousse

C++.Outside of my academic

4 Ahmed Mannai

Université Virtuelle de Tunis
I am Ahmed Mannai, a dedicated
student and accomplished
professional in computer
science. I hold a Master's degree
in Computer Science and
currently work as a System
Engineer. I have participated in
the Med2IAH program and
actively contribute to finding
solutions for student mobility and
internationalization. With a
strong technical background and
commitment to progress, I strive
to make a positive impact in the

field of computer science and beyond.

Narjes BOUGUERRA National School of Electronics and Telecommunications of Sfax

I have also showcased my skills through personal projects, such as an intelligent computer system utilizing Blockchain and IoT and projects involving handwriting recognition, data scraping, fraud detection, and creating sales reports.

Outside of my technical pursuits I am a poet, actively participating in poetry events at both the Tunisian and Arab levels. I have also achieved recognition in

hackathons and held positions in student organizations.

Faculty of Legal, Political, and Social Sciences in Tunisia.
Nadia BEN AISSA is Ph.D.
Candidate in Public International Law, affiliated with the Faculty of Legal, Political, and Social Sciences in Tunisia.
She is an alumnus of several Academies and Workshops: the Arabic Association for the Constitutional Law Academy (6t session), the San Remo Institute of IHL (Italia), ICRC Africa, and the CIL Academy (between 202 and 2023).
She took part in the Tunisian NDC discussions about Gender and Human Rights in 2021 and won the Best Team Price in the LawAthon competition (Fight Against Corruption) in 2020.
Actually, she is an independent consultant working on Gender and Minorities, Human Rights, and Climate Change.

7 Eya Boughanmi
University of Tunis El Manar
My name is Eya Boughanmi, a
second-year Ph.D. student at the
University of Tunis El Manar
working in the laboratory of
Analytical Chemistry and
Electrochemistry, under the
supervision of Pr. Noureddine
Raouafi and Mme. Mouna
Marrakchi. I'm currently
conducting my research on the
development of bioanalytical
platforms for disease diagnosis
and environmental monitoring.
Besides my studies, I work as an
ambassador and scientific
animator, where my mission is to
conduct scientific workshops for
kids and youth in various fields of
science contributing to fostering
their scientific curiosity and

developing their critical thinking skills.

During my research journey, I was able to acquire strong research skills in the field of biosensor technology, bionanotechnology, and analytical chemistry, as well as good competencies in project management and communication skills. The ability to work on biosensors, a powerful tool capable of detecting small traces of molecules, has driven my entrepreneurship interests and inspired me to apply my research to practical issues. Therefore, I had the idea to create BIOTRACK, a point-of-care start-up for early diagnosis of leishmaniasis in dogs. To embrace the business world, I took part in the UTM-Innov competition, where I came out on top by winning the first prize.

8 Mohamed OUERGHI ENAU / ETHZ

Mohamed OUERGHI is an experienced consultant in regional development and urban policies, validated through indepth research. As a member of ISOCARP/AESOP, he advocates for digitally enabled citizen engagement for sustainable futures. Given his expertise, he would be an excellent fit for Falling Walls Lab, a global pitch competition offering participants a unique opportunity to network with experts from science, business, and policy-making. As a potential contender for the Breakthrough Winner title, Mohamed's skills and experience would undoubtedly be a valuable asset to the competition, which is organized by the Falling Walls Foundation and supported by various academic institutions and companies.

Polytechnic School of Tunisia
S My name is Syrine
CHABCHOUB I'm a doctor and
Civil engineer from the
Polytechnic School of Tunisia.
The scope of my PhD thesis was
to investigate the fatigue
behavior of bituminous mixes
(EME 14) under cyclic loading.
As part of my research work, I
had the chance to spend several
research stays in Montreal and ir
the United Arab Emirates.
Currently, I am a professor of
Civil Engineering and I am
working on the promotion of the
application of plant-based and
recycled materials (Neem Oil,
Nanomaterials and Crumb
Rubber...) to produce asphalt
binders that are both greener

10 Imen Difai

Higher Institute of Applied Sciences and Technology of Sousse

I am a second-year electromechanical engineering student specializing in automotive mechatronics at the Higher Institute of Applied Sciences and Technology of Sousse. My passion for mechanics and electronics led me to enroll in this field and pursue my studies with determination and rigor. I have acquired strong skills in the areas of mechanics, electronics, and computer science, as well as a deep understanding of mechatronic systems. And I am confident that dreams will one day become the reality I have always wished for to be able to create my own project in autonomous vehicles. My ambition is what drives me to venture into the challenging aspects of life. I am also a social

person who loves adventure and travel, especially to explore unfamiliar cultures and beliefs. Music and singing are also my companions to whom I turn to in difficult times because, to me, they are like a soothing balm for the soul.

11 Chaher Dhaoui

Virtual university of Tunis

and development of custom models based on customer requests. Before that, I founded a company, where I was responsible for website development, development of specifications, wireframing, and hosting.

12 Sabrine

Institut Supérieur de gestion industrielle de Sfax

FALLING WALLS LAB

PARTNERS



