



**AMERICAN
UNIVERSITY OF BEIRUT**

**SULIMAN S. OLAYAN SCHOOL
OF BUSINESS**



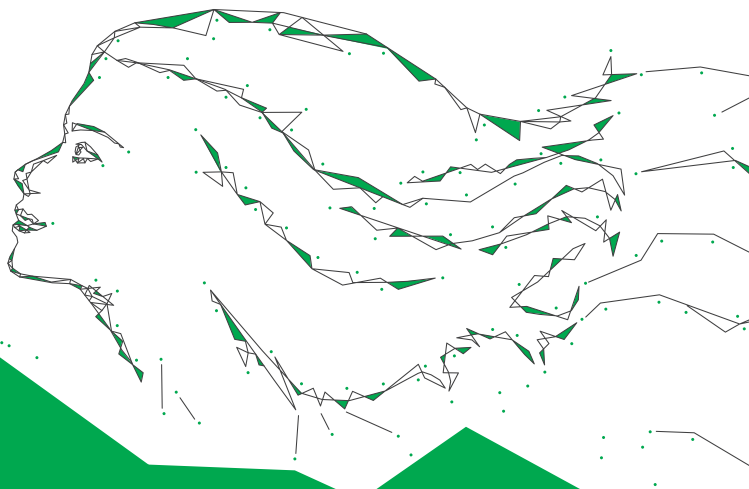
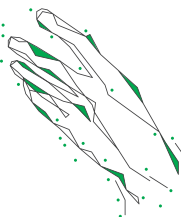
WOMEN IN DATA SCIENCE
@ AUB

WOMEN IN DATA SCIENCE @AUB CONFERENCE

APRIL 27, 2023

AGENDA

The American University of Beirut, one of the oldest higher education institutions in the Middle East, introduced business education in 1900. The Suliman S. Olayan School of Business was established as an independent School of Business in 2000. Today, the School is transforming business thinking in the MENA region through its world-class programs, research hubs, and initiatives, covering a wide range of research areas.



8:30 am – 9:00 am

Registration and Breakfast
Global WiDS Opening Video

9:00 am – 9:10 am

WiDS @AUB WELCOME

Lama Moussawi, PhD
WiDS @AUB ambassador
Associate Dean for Research
Associate Professor
Suliman S. Olayan School of Business
American University of Beirut

9:10 am – 9:20 am

AUB WELCOME

Fadlo R. Khuri, MD
President
American University of Beirut

9:20 am – 9:30 am

OSB WELCOME

Yusuf Sidani, PhD
Dean
Suliman S. Olayan School of Business
American University of Beirut

9:30 am – 9:40 am

THE HUB & WiDS @AUB AGENDA OVERVIEW

Mariette Awad, PhD
WiDS @AUB ambassador
Director of AI, Data Science, and Computing Hub
Associate Professor
Maroun Semaan Faculty of Engineering and Architecture
American University of Beirut

TRACK I

DATA SCIENCE FOR DISASTER PLANNING

Moderated By
Mariette Awad, PhD

9:40 am – 10:05 am

TECHNICAL TALK

Priya Singh
Head of Evidence Generation
Chief of Research, Innovation and Analytics (AI)
Supply Chain Division
World Food Programme
Rome, Italy

On Beyond Crisis Response: How the World Food Program Supply Chain is Using Data and Analytics to Drive Impactful Change

10:05 am – 10:30 am

TECHNICAL TALK

Hiba Baroud, PhD
A. James and Alice B. Clark Foundation Faculty Fellow
Associate Chair, Civil and Environmental Engineering
Associate Professor of Civil and Environmental Engineering
Associate Professor of Computer Science
Director of Graduate Recruiting for Civil Engineering
Vanderbilt School of Engineering
Vanderbilt University, TN, USA

*On Breaking Down Silos:
The Interdisciplinary Power of Data Science in Disaster Resilience*

10:30 am – 10:55 am

TECHNICAL TALK

Suzana Maranhão Moreno

Blockchain Technology Strategy and Portfolio Manager
Frontiers Technology
The UN World Food Program Innovation Accelerator
United Nations World Food Programme
Rome, Italy

On Frontier Technologies for Disaster Management

10:55 am – 11:20 am

TECHNICAL TALK

Joline Uichanco, PhD

Associate Professor of Technology and Operations
Director, PhD Program
Ross School of Business
University of Michigan, MI, USA

Senior Research Scientist
Amazon, USA

*On Using Data for Disaster Preparedness in the Pacific Typhoon Belt:
A Case Study of the Philippines*

11:20 am – 11:45 am

TECHNICAL TALK

Yessika Montiel

Senior Program Manager
Amazon
United Arab Emirates

*On Incorporating Real-Time Data Analysis and Predictive Modeling
into Crisis Management Plans for Amazon Logistics*

11:45 am – 12:00 pm

BREAK

TRACK II

DATA SCIENCE FOR PUBLIC POLICY

Moderated By

Sana El Hajj

Lecturer, Finance
Founding member & Executive, Lebanese Private Sector Network
Suliman S. Olayan School of Business
American University of Beirut

12:00 pm – 12:10 pm

TRACK PREAMBLE

Sana El Hajj

12:10 pm – 12:35 pm

TECHNICAL TALK

Rima Turk Ariss, PhD

Senior Economist
Strategy, Policy, and Review Department
International Monetary Fund
Washington D.C., USA

On Using Data Analytics to Support and Inform Economic and Financial Policies

12:35 pm – 1:00 pm

TECHNICAL TALK

Carole Al Sharabati, PhD

Founding Partner, Siren Analytics

On Transforming the Public Sector with Technology and Artificial Intelligence

1:00 pm – 2:00 pm

LUNCH BREAK

TRACK III

DATA SCIENCE FOR SMART CITIES

Moderated By

Sara Nejm, PhD

WiDS @AUB ambassador

Assistant Professor of Physics

Associate Director, AI Data Science and Computing Hub

Department of Physics

Faculty of Arts and Sciences

American University of Beirut

2:00 pm – 2:10 pm

TRACK PREAMBLE

Sara Nejm, PhD

2:10 pm – 2:35 pm

TECHNICAL TALK

Elsa Arcaute, PhD

Professor of Complexity Science

Center for Advanced Spatial Analysis

University College London

London, United Kingdom

On Socio-hydrological Resilience in Mexico City

2:35 pm – 3:00 pm

TECHNICAL TALK

Polly Hudson

Senior Research Fellow at the Alan Turing Institute

Project Lead for Coloring Cities Research Program

Coloring London

London, United Kingdom

On The Colouring Cities Research Programme- Developing a Global Network of Open Data Platforms on Building Stocks

3:00 pm – 3:25 pm

TECHNICAL TALK

Eileen Martin, PhD (virtual)

Assistant Professor

Department of Geophysics

Applied Math and Statistics Department

Hydrologic Science and Engineering Program

Colorado School of Mines

Golden CO, USA

Assistant Professor (on-leave)

Department of Mathematics

Program in Computational Modeling and Data Analytics

Department of Geosciences

Virginia Tech

Blacksburg, VA, USA

On How Data Science is Transforming Urban Geophysics

3:25 pm – 3:40 pm

BREAK

TRACK IV **DATA SCIENCE FOR SOCIAL GOOD**

Moderated By
Lama Moussawi, PhD

3:40 pm – 3:45 pm

TRACK PREAMBLE

Lama Moussawi, PhD

3:45 pm – 4:10 pm

TECHNICAL TALK

Elodie Ngoc-thy
Coordinator, Africa Infodemic Response Alliance (AIRA)
WHO Regional Office for Africa

Yara El Moussaoui
Country Lead Support
Africa Infodemic Response Alliance (AIRA)
WHO Regional Office for Africa

On Putting Social Listening Data into Action: The Role of the Africa Infodemic Response Alliance (AIRA) in Fighting Infodemics in Africa

4:10 pm – 4:35 pm

TECHNICAL TALK

Brigitte Khair-Mountain
Senior Strategic Advisor, Entrepreneur, Policy Analyst
United Nations Senior Women Talent Group
Founder of Gigthree, Dubai, UAE

On How Can Data Science Revolutionize Humanitarian Crises Response and Sustainable Human Development?

4:35 pm – 5:00 pm

TECHNICAL TALK

Angela Alzir Assy
Labor Market Specialist
The World Bank, Beirut

Samia Melhem
Global lead on Digital Capabilities
Digital Development Global Practice
The World Bank, Washington D.C., USA

On Leveraging Data Science to Inform Programs and Policy Design

5:00 pm – 5:45 pm

PANEL DISCUSSION

DATA DEMOCRATIZATION IN THE MIDDLE EAST & NORTH AFRICA ECONOMIES: CHALLENGES AND OPPORTUNITIES

Moderated By
Maha Zouwayhed
Associate Director
Talal and Madiha Zein AUB Innovation Park (Zein AUB iPark)
Office of Information Technology
American University of Beirut

Panelists
Angela Alzir Assy, The World Bank
Brigitte Khair-Mountain, Gigthree, Dubai
Carole Al Sharabati, PhD, Founding Partner, Siren Analytics

5:45 pm – 6:00 pm

BREAK

TRACK V DATA SCIENCE IN HEALTHCARE

Moderated By
Ghada El-Hajj Fuleihan, MD, MPH, FRCP
Professor of Medicine
Founding Director
Calcium Metabolism and Osteoporosis Program
WHO CC for Metabolic Bone Disorders
Founding Director, Scholars in HeAlth Research Program
AUBMC, AUB
Bernard Lown Scholar
Department of Global Health and Population
Harvard T.H. Chan School of Public Health
Boston, MA, USA

6:00 pm – 6:15 pm

TRACK PREAMBLE

Ghada El-Hajj Fuleihan, MD, MPH, FRCP

6:15 pm – 6:40 pm

TECHNICAL TALK

Caroline Buckee, PhD (virtual)
Professor of Epidemiology
Associate Director, Center for Communicable Disease Dynamics
Harvard T.H. Chan School of Public Health
Harvard University, MA

MIT Tech Review's 35 Innovators under 35
CNN top 10: Thinker and Foreign Policy Magazine's Global Thinkers

[On Data Science in Crisis: Leveraging Data for Humanitarian Disaster Response](#)

6:40 pm – 7:05 pm

TECHNICAL TALK

Francesca Dominici, PhD (virtual)
Clarence James Gamble Professor of Biostatistics, Population and Data Science
Co-Director of the Data Science Initiative
Harvard T.H. Chan School of Public Health
Harvard University, MA

[On Data Science for Cleaner Air: Leveraging Machine Learning and Causal Inference to Tackle Air Pollution and Climate Disasters](#)

7:05 pm – 7:10 pm

CLOSING REMARKS

Lama Moussawi, PhD



**AMERICAN
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**AMERICAN
UNIVERSITY OF BEIRUT**
**CENTER FOR ADVANCED
MATHEMATICAL SCIENCES**

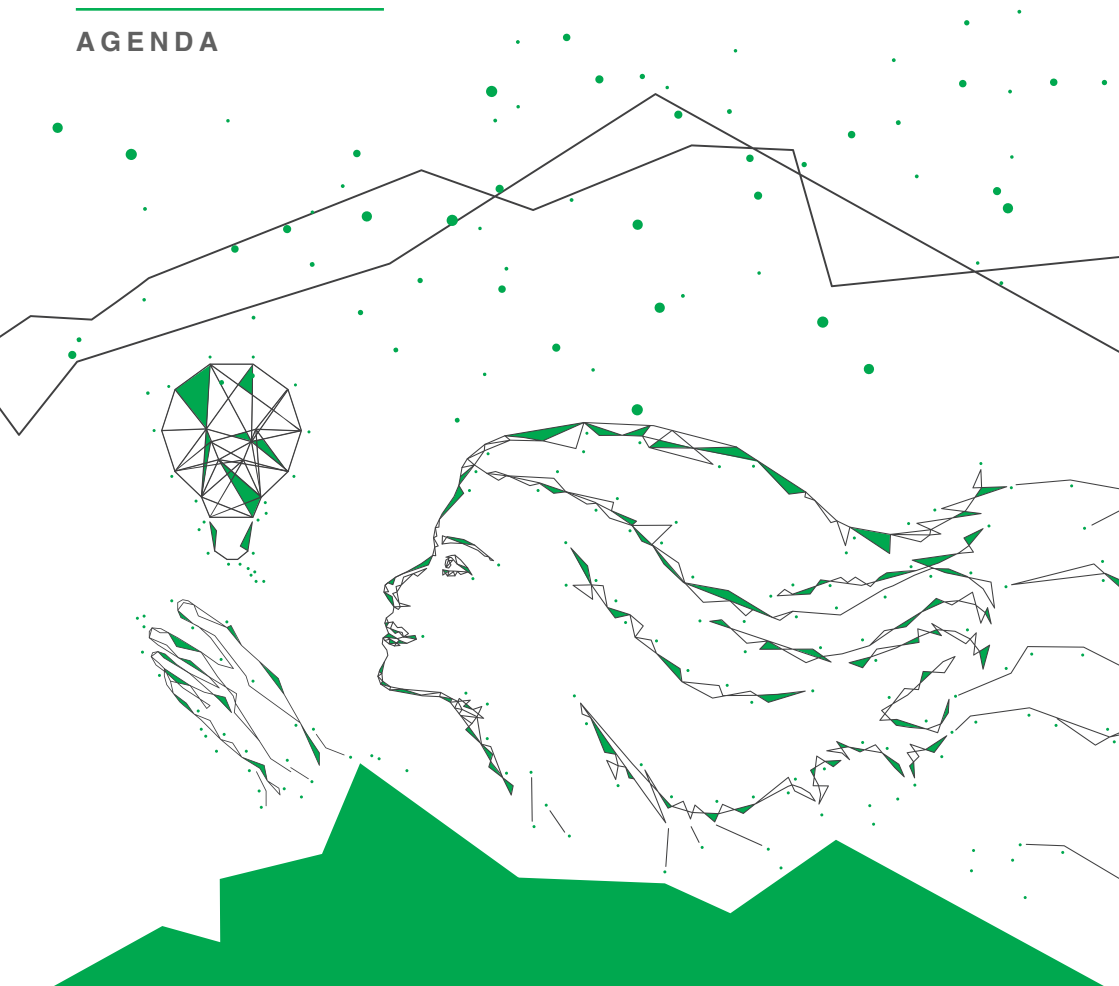


WOMEN IN DATA SCIENCE
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DATA SCIENCE RESEARCH TALKS CAMS-WIDS@AUB RESEARCH WORKSHOP

APRIL 28, 2023

AGENDA



9:30 am – 10:30 am

RECRUITMENT INFORMATION SESSION

Application and admission for the PhD program at University of Michigan
Target audience: Undergrad and Graduate students

Joline Uichanco, PhD

Associate Professor of Technology and Operations
Director, PhD Program
Ross School of Business
University of Michigan, MI, USA
Senior Research Scientist
Amazon

10:30 am – 11:00 am

BREAK

Data Science Research Talks CAMS-WIDS RESEARCH WORKSHOP

Moderated By

Lama Moussawi and Sara Nejm

11:00 am – 11:40 am

RESEARCH TALK

Hiba Baroud, PhD

A. James and Alice B. Clark Foundation Faculty Fellow
Associate Chair, Civil and Environmental Engineering
Associate Professor of Civil and Environmental Engineering
Associate Professor of Computer Science
Director of Graduate Recruiting for Civil Engineering
Vanderbilt School of Engineering
Vanderbilt University, TN, USA

*On Who Contributes to Disaster Preparedness?
Predicting Decision Making in Social Dilemmas of Disaster Resilience*

11:40 am – 11:50 am

Q&A

11:50 am – 12:00 pm

BREAK

12:00 pm – 12:40 pm

RESEARCH TALK

Joline Uichanco, PhD

Associate Professor of Technology and Operations
PhD Program Director
Michigan Ross School of Business
University of Michigan
Michigan, USA
& Senior Research Scientist
Amazon, USA

*On Overcoming the Profitability Problem of E-Commerce Retail
Using Data-Driven Product Framing*

12:40 pm – 12:50 pm

Q&A

12:50 pm – 1:20 pm

RESEARCH TALK

Ghina Al Atat

PhD student
IMDEA Networks Institute
Universidad Carlos III de Madrid, Spain

On Double Sided Platforms with Stochastic Supply and Demand

1:20 pm – 1:30 pm

Q&A

1:30 pm – 2:30 pm

LUNCH BREAK

2:30 pm – 3:10 pm

RESEARCH TALK

Elsa Arcaute, PhD

Professor of Complexity Science
Center for Advanced Spatial Analysis
University College London
London, United Kingdom

On Constructing Spatial Communities for Interventions

3:10 pm – 3:20 pm

Q&A

3:20 pm – 3:30 pm

BREAK

3:30 pm – 4:10 pm

RESEARCH TALK

Eileen Martin, PhD (virtual)

Assistant Professor
Department of Geophysics
Applied Math and Statistics Department
Hydrologic Science and Engineering Program
Colorado School of Mines
Golden CO, USA

Assistant Professor (on-leave)
Department of Mathematics
Program in Computational Modeling and Data Analytics
Department of Geosciences
Virginia Tech
Blacksburg, VA, USA

On New Algorithmic Approaches for Large-scale Seismology

4:10 pm – 4:20 pm

Q&A

4:20 pm – 4:30 pm

BREAK

4:30 pm – 5:10 pm

RESEARCH TALK

Karianne Bergen, PhD (virtual)

Assistant Professor of Earth, Environmental, & Planetary Sciences
Assistant Professor of Computer Science
Data Science Initiative
Department of Earth, Environmental, & Planetary Sciences
Brown University, RI, USA

On Interpretation and evaluation of machine learning-based earthquake monitoring

5:10 pm – 5:20 pm

Q&A

5:20 pm – 5:30 pm

CLOSING