2023 ENBIS Awards

As the ENBIS Awards committees, it is our great pleasure to announce the 2023 award recipients. The 2023 Award Recipients were selected by the ENBIS Awards Committees, chaired by the President-Elect **Biagio Palumbo**. For the **2023 Box Medal**, committee members were: **Allison Jones-Farmer** (University of Miami, United States), **Ron Kenett** (KPA, Israel), **Sven Knoth** (Helmut Schmidt University, Germany), **Marco Reis** (University of Coimbra, Portugal). For the **2023 Best Manager and Young Statistician Awards**, committee members were: **Paolo Giudici** (University of Pavia, Italy), **Rebecca Killick** (Lancaster University, UK), **Murat Kulahci** (Technical University of Denmark, Denmark), **Peter Parker** (NASA Langley Research Center, United States), **Murat Caner Testik** (Hacettepe University, Turkey), **Inez M. Zwetsloot** (City University of Hong Kong, Hong Kong, CN). For the Greenfield Challenge Award, committee members were the elected members of the ENBIS Council: **Bertrand Iooss** (EDF R&D, France), **Rebecca Killick** (Lancaster University, UK), **Katy Klauenberg** (PTB, Germany), **Tim Robinson** (University of Wyoming, United States), **Eleanor Stillman** (University of Sheffield, UK), **Marina Vives-Mestres** (Curelator, Spain).

The 2023 Box Medal

In recognition of his outstanding contributions to the development and the application of statistical methods in business and industry, the 2022 George Box Medal is awarded to **Bianca Maria Colosimo**.

Bianca Maria Colosimo is Full Professor in the Department of Mechanical Engineering of Politecnico di Milano, the first Engineering school in Italy, ranked among the top 20 universities worldwide in Engineering and Technology (QS world Ranking-2022).

She received her MSc and PhD in Industrial Engineering from Politecnico di Milano. After her PhD, she spent a visiting period as PostPhD at the Pennsylvania State University (PSU).

Her main research interest is in the area of big data mining, modeling and monitoring for advanced manufacturing processes (additive manufacturing and bioprinting, among all) to foster the twin (digital and green) transition. On these topics, she is author of 130+ peer-reviewed contributions, most of them published in peer-reviewed international journals and books.

Since 2020, she is Senior Editor of the Informs Journal of Data Science, Department Editor of IISE Transactions, Associate Editor of Progress in Additive Manufacturing and Additive Manufacturing Letters. She is member of the Editorial Board of Journal of Quality Technology, where she served as Editor-in-Chief from 2019 to 2021.

She is co-leading the research laboratory AddMe Lab (link) and the 3D Cell lab, two leading labs on Additive Manufacturing and 3D bioprinting.

Some recent awards:

- 2023 ASQ Brumbaugh Award (American Society for Quality) for the paper "Complex Geometries in Additive Manufacturing: A New Solution For Lattice Structure Modeling And Monitoring" published on the Journal of Quality Technology 2022
- 2023 Award from the Royal Swedish Academy of Engineering Sciences – The Jacob Wallenbergs Foundation Award for Research and Development in the field of Material Science.

- 2023 – awarded as International Process Engineer Powder Bed- Fusion Laser Beam (I MAM PE PBF-LB) by European Welding Foundation (EWF)
- Included among the top 100 Italian woman scientists in STEM – (https://100esperte.it/)

The 2023 Best Manager Award

Daphna Aviram-Nitzan is the recipient of the 2023 Best Manager Award, which is meant to recognize managers who gave a significant contribution to the success of their companies by advancing the spread and the practice of statistics in them.

This is a summary of her achievements:

9/2016 – present: Director of the Center for Governance and the Economy, The Israel Democracy Institute (IDI)

- Managing a team of about 30 economics and political scientists (Prof., Dr.)

- Initiating, leading and managing the applied research programs:

Recruiting a team of talented data analysis. Establish a unique updated database containing anonymized administrative data from various government bodies, mainly from the ICBS (incl. demographic information and history). Using cutting edge empirical research methods and advanced programming capabilities (including Machine Learning techniques, Prediction Models and Big Data algorithms). Granting the ability to access all relevant information by constantly adapts new research strategies, and when necessary, acquires external data from data-collecting bodies and by initialize surveys. my team and I maintain a professional and unbiased approach to the research projects, putting an emphasis on the integrity of work. One of my main challenges include providing policy makers with precise and relevant information and recommendations based on our data analysis and Supplementary surveys.

- Leading national-strategic moves in collaboration with government officials, leading inter-ministerial coordination and cooperation between sectors: business, social & government.

- Managing the Eli Horvitz conference on economics and society

- Business development & fundraising.

2019 – present: leading (with the Government) the national climate change project.

- Leading "do and think tank" for formulating the national sustainable goals for 2050, in collaboration with five government ministries. The macroeconomic team, The civil society team, The business sector team, The climate innovation team, And a Joint leadership of the of the "financial regulators team" with Prof. Karnit Flug.

2022 – present: Director in the Governing board of the Israeli CBS

2013 - 2016: Chief Economist & Director of Economic Research Division at the Manufacturers Association of Israel (MAI).

2003 -2013: Head of Economic Research & Strategy Department and before that - Head of Statistics dep. at the Manufacturers Association.

External Director positions

4/2023 – present: External Director at Max credit cards Ltd

Education:

MBA - Master of Business Administration, Tel Aviv University.
Specialization on: 1. finance and accounting, 2. International Management

B.A. in Economics, Tel Aviv University
lieutenant in the Israeli Military service (1985-1988)

The 2023 Young Statistician Award

The recipient of the 2023 Young Statistician Award, which is aimed to recognize the work of young people in introducing innovative methods, promoting the use of statistics and/or successfully using it in the daily practice, is **Nathaniel Stevens**.

Nathaniel Stevens is an Assistant Professor of Statistics in the Department of Statistics and Actuarial Science at the University of Waterloo where he also serves as Director of the undergraduate data science programs. Prior to this, Nathaniel held a faculty position at the University of San Francisco jointly in the Department of Mathematics and Statistics and the Data Institute. Having overseen 30+ data science internships at 20+ companies, Nathaniel is interested in using statistics to solve practical problems, and he has a passion for inspiring and training students to do the same. His research interests lie at the intersection of data science and industrial statistics; his publications span topics including experimental design and A/B testing, social network modeling and monitoring, survival and reliability analysis, measurement system analysis, and the development of estimation-based alternatives to traditional hypothesis testing.

The 2023 Greenfield Challenge Award

The Greenfield Challenge Award aims to recognize the work done to fulfill Tony Greenfield's challenge, expressed in 2009:

> *My challenge to you is that you will tell some audience about work you have done, and completed successfully because you used a statistical method. But that audience must be of people who are not statisticians.*

The recipient of the 2023 Greenfield Challenge Award is **Lourdes Pozueta Fernández**.

In her own words:

I graduated in boring Mathematics at U. Zaragoza (1986) where I was a member, as a student, of the governing bodies of the University, sharing political orientation with professors of industrial engineering who discovered for me "the exciting world of the application of Statistics in Industry".

I was very fortunate to spend 3 years visiting CQPI with G. Box, S. Bisgaard and N. Draper at U. Madison-Wisconsin. There, I completed a M.S. (1991).

From 1991 to 2004, I combined a lot of consulting and a lot of teaching at the UPC (Barcelona). I loved to bring students closer to my personal experiences applying statistical engineering in Industry. Years passed and I had "pending tasks": it was crazy to have two children and defend my thesis (2001) in two years.

I got 2-sabatic years to work as Project Manager at TECNALIA (2004-06), one of the most prestigious Technology Centers in Europe. This experience helped me understand the value that Statistics can bring to technologist scientists and the barriers that exist for its application.

In 2006 I decided to start as entrepreneur at Avancex+i trying to provide economic and cultural value with Statistical Engineering. In 2020 I got the ENBIS Best Manager Award.

My teaching vocation is manifested in the way I carry out my work: "I try to help people achieve professional success as a result of the application of statistical tools. For this I try to hide a lot of Mathematics and delve into Statistical Thinking: useful ways of visualizing data, the importance of collecting valuable data and the skills to integrate statistics in their professional work".

I try to help society with my experiences and I collaborate with schools, universities, engineering colleges, ..etc. I also participate in the media.

The awards will be presented at the 2023 ENBIS conference, which will take place in Valencia, Spain, in September 2023.

Biagio Palumbo, President-Elect and Chair of the ENBIS Award Committees