



## Venerdì della Conoscenza (Fridays of Knowledge) 2025

**Friday, January 17, 2025 - "Do machines think? The brain machine interface, intelligence and collective consciousness"**

**Mario Rasetti** - Nuclear engineer, degrees in mathematics and physics. Professor emeritus of the Polytechnic University of Turin, creator of the ISI Foundation, Maiorana Prize for theoretical physics, Volta Medal for science. Guarantor of the Artificial Intelligence System of Banca Intesa-Sanpaolo, Chairman of the Scientific Committee of CENTAI (Advanced Research Center for Artificial Intelligence) in Turin.

**Massimo Polidoro** - Psychology graduate, journalist, popularizer, writer and engaging storyteller. He is among the leading international experts on mystery facts and the psychology of the unusual, which he tells in print, on TV, on social media and for some time now in the theater. Co-founder with Piero Angela, Margherita Hack and Umberto Eco of CICAP (Italian Committee for the Control of Pseudoscience Claims).

**Ezio Andreta** - Bachelor's Degree in Political Science, Master's Degree in Economics, former Research Director of the European Commission, Government Commissioner of the Italian Agency for Innovation, President of the Agency for European Research (APRE), former Member of the General Scientific Council of the CNR and Coordinator of the CNR Foresight Project, University Lecturer.

**Friday, January 31, 2025 - "The Future of the Sapiens. The club or the cell phone?"**

**Emiliano Bruner** - Archaeo-neuro anthropologist, graduate in biology and PHD in animal biology. Former researcher in Paleoneurology at the National Center for Research on Human Evolution in Burgos. Currently researcher at the National Museum of Natural Sciences in Madrid and the Center for Research on Neurological Diseases in Madrid.

**Fabio Bonsignorio** - Degree in Mechanical Engineering, Entrepreneur and University Lecturer, Expert in Robotics and Artificial Intelligence. Founder and CEO of Heron Robots, ERA Chair in AI for Robotics at

University of Zagreb, Visiting professor at Scuola Superiore Sant'Anna in Pisa, professor at Carlos III University in Madrid.

**Pier Francesco Moretti** - Physicist, PHD astronomy, PHD earth sciences, CNR researcher, former Member of the CNR Representation in Brussels and Member of the CNR Foresight Project.

### Friday, Feb. 21, 2025 - "Not just what to say, but how to communicate in the age of generative AI"

**Lavinia Price** - BA in Phonetics and Language Processing, PHD in Phonetics, researcher and university lecturer at Ludwig-Maximilians-Universität Munich. Diploma in violin and master's degree from the Royal College of London. Teacher of violin.

**Alessandro Lenci** - BA in philosophy and PHD in linguistics, expert in computational linguistics, natural language processing, semantics and cognitive science. Professor of Computational Linguistics at the University of Pisa, Director of the Computational Linguistic Laboratory. Member of the PHD Program in Linguistic Studies and Foreign Literatures at the University of Pisa. Visiting professor at different universities and author of multiple scientific publications.

**Ezio Andreta** - Bachelor's Degree in Political Science, Master's Degree in Economics, former Research Director of the European Commission, Government Commissioner of the Italian Agency for Innovation, President of the Agency for European Research (APRE), former Member of the General Scientific Council of the CNR and Coordinator of the CNR Foresight Project, University Lecturer.

### Friday, March 14, 2025 - "Will microbes save the world?"

**Rino Rappuoli** - BS degree in biological sciences, scientific director of the Siena Biotechnopolo Foundation, honorary professor at Imperial College London, and senior lecturer at the University of Siena. President of the International Union of Microbiological Societies. He has more than 40 years of experience in the vaccine industry and is among the world's scientific leaders dedicated to the sustainability of global health.

**Luisa Tondelli** - Industrial chemist, Master's degree in biotechnology and PHD in biochemistry, CNR researcher, formerly seconded national expert at the European Commission's Nanotechnology and Advanced Materials Unit, formerly Scientific Attaché at the Italian Embassy in the UK and Member of the CNR Foresight Project.

### Friday, April 4, 2025 - "Cancer immunology and immunotherapy as a new frontier in the fight against cancer"

**Alberto Mantovani** - Physician, Professor Emeritus at Humanitas University, Scientific Director of IRCCS Istituto Clinico Humanitas and Chair of Inflammation and Therapeutic Innovation, William Harvey Research Institute, Queen Mary University of London. He previously worked in England and the United States. For several years he has been the most cited Italian researcher in the international scientific literature. He has received numerous national and international awards and prizes for his research activities.

**Luisa Tondelli** - Industrial chemist, Master's degree in biotechnology and PHD in biochemistry, CNR researcher, formerly seconded national expert at the European Commission's Nanotechnology and Advanced Materials Unit, formerly Scientific Attaché at the Italian Embassy in the UK and Member of the CNR Foresight Project.

## Friday, May 9, 2025: "What governance and democracy of the future? Who and how decides?"

**Renzo Tomellini** - Chemist, head in several Units in the Research Directorate of the European Commission, in particular of the Unit "Nano and Converging Sciences and Technology" and "Advanced Materials." Former head of the Technical Secretariat of Minister Roberto Cingolani. University Lecturer.

**Anastasia Roncoletta** - Degree in International Trade, experience as export/brand manager and marketing advisor. Policy advisor and parliamentary assistant in the European Parliament. Sommelier and Senior Judge at the International Wine challenge in London.

**Pier Francesco Moretti** - Physicist, PHD astronomy, PHD earth sciences, CNR researcher, former Member of the CNR Representation in Brussels and Member of the CNR Foresight Project.

## Friday, May 23, 2025: "Water and Energy: challenges for a sustainable future. Stories of too much water and too little water"

**Antonello Provenzale** - BSc and PHD, Director of the Institute of Geosciences and Georisources, CNR. In 1997 he received the Golden Badge Award of the European Geophysical Society, Dozor Fellow of Ben Gurion University, Visiting Fellow of the University of Colorado, Visiting Professor at Ecole Normale Supérieure in Paris. Corresponding member of the Academy of Sciences in Turin, Italy.

**Luca Ferraris** - BSc in Environmental and Spatial Engineering, PHD in Environmental Monitoring, Vice President of CIMA Foundation (International Center in Environmental Monitoring), Aggregate Professor at the University of Genoa, Executive Member of the Editorial Board of the journal Natural Hazards and Earth System Science.

**Ruggero Casacchia** - Geologist, CNR researcher, former President of the Italian Association for "Remote Sensing," Member of the CNR Foresight Project.

**Giorgio Einaudi** - Physicist, Scientific Director of the CNR Foresight Project, Member of the Comitans Foundation, former Professor at the University of Pisa and Scientific Advisor at the Italian Embassy in Washington.



# i Venerdì della Conoscenza

## Venerdì della Conoscenza (Fridays of Knowledge) 2024

### Friday, January 26, 2024 - "Complexity, Digitization, Democracy"

**Mario Rasetti** - Nuclear engineer, degrees in mathematics and physics. Professor emeritus of the Polytechnic University of Turin, creator of the ISI Foundation, Maiorana Prize for theoretical physics, Volta Medal for science. Guarantor of the Artificial Intelligence System of Banca Intesa-Sanpaolo, Chairman of the Scientific Committee of CENTAI (Advanced Research Center for Artificial Intelligence) in Turin.

**Luca de Biase** - Economist, historian, journalist, writer and essayist. Columnist at Sole24Ore, Director of the weekly Nova, expert in digital technologies, data science and innovation, University Lecturer.

**Marco Emanuele** - Journalist at Formiche Magazine, essayist, editorial manager of the Lab-Think Tank on Complexity and lecturer at LINK Campus University in Rome where he teaches Democracy and Totalitarianisms. Intellectual student of Edgar Morin.

### Friday, February 23, 2024 - "The Future of Europe or the Europe of the Future?"

**Ezio Andreta** - Bachelor's Degree in Political Science, Master's Degree in Economics, former Research Director of the European Commission, Government Commissioner of the Italian Agency for Innovation, President of the Agency for European Research (APRE), former Member of the General Scientific Council of the CNR and Coordinator of the CNR Foresight Project, University Lecturer.

**Pier Francesco Moretti** - Physicist, PHD astronomy, PHD earth sciences, CNR researcher, former Member of the CNR Representation in Brussels and Member of the CNR Foresight Project.

**Luisa Tondelli** - Industrial chemist, Master's degree in biotechnology and PHD in biochemistry, CNR researcher, formerly seconded national expert at the European Commission's Nanotechnology and Advanced Materials Unit, formerly Scientific Attaché at the Italian Embassy in the UK and Member of the CNR Foresight Project.

## Friday, March 22, 2024 - "The Impact of Climate Transformation on Environment, Society and Economy"

**Ruggero Casacchia** - Geologist, CNR researcher, former President of the Italian Association for "Remote Sensing," Member of the CNR Foresight Project.

**Roberto Buizza** - Physicist, mathematician and climatologist. Prof. Scuola Sant'Anna of Pisa, former researcher and Head of the Predictability Division of the "European Centre for Medium-Term Weather Forecasting," Scientific Attaché at the Italian Embassy in London.

## Friday, March 29, 2024 - "The Woman of the Atomic Bomb"

On the occasion of "i Venerdì della Conoscenza", Gabriella Greison tells the story of Leona Woods, the Oppenheimer physicist and the Manhattan Project through a monologue from her book "The Woman of the Atomic Bomb" published by Mondadori.

**Gabriella Greison** physicist, writer, actress, host and science popularizer, called by Corriere della Sera, the American and German press 'The Rockstar of Physics'.

## Friday, April 19, 2024 - "The Energy Transition, Renewable Energy Communities"

**Antonio Pezzini** - Degree in Philosophy, Member of the Committee. European Economic and Social and the Technical Secretariat of the Minister of Environment and Energy Security (MASE), University Lecturer.

**Nicola Armaroli** - Chemist, Research Director at CNR, Editor of the journal "Sapere" and Member of the National Academy of Sciences, Member of the Executive Committee of the "European Chemical Society," Galileo Literary Prize for popularization of science.

## Friday, May 3, 2024 - "The future of food or the food of the future?"

**Cecilia Bartolucci** - Chemistry degree with specialization in biochemistry, CNR researcher, works on the impact of food on health, Foresight Project Member and President of Comitans Foundation.

**Eleuterio Ferrannini** - Diabetologist, Research Director at CNR, Prof. University of Pisa and Prof. at the University of Texas "Health Science Center" in San Antonio Texas, Member of the Italian Society of Diabetology, former President of the European Association for Diabetes Studies.

## Friday, May 24, 2024 - "The invisible world of nanotechnology"

**Renzo Tomellini** - Chemist, Head of several Units in the Directorate General for Research of the European Commission, in particular the "Nano and converging sciences and technologies" and "Advanced materials" Units, former Head of the Technical Secretariat of Minister Roberto Cingolani, University Lecturer.

**Annalisa Palange** - PhD in Medical Biotechnology, researcher at the Italian Institute of Technology in Genoa where she deals with nanotechnology applied to health. deals with nanotechnology applied to health.

## Venerdì della Conoscenza (Fridays of Knowledge) 2022/2023

### Friday, November 11, 2022 - "Is it all the fault of globalization?"

**Ezio Andreta** - Bachelor's Degree in Political Science, Master's Degree in Economics, former Research Director of the European Commission, Government Commissioner of the Italian Agency for Innovation, President of the Agency for European Research (APRE), former Member of the General Scientific Council of the CNR and Coordinator of the CNR Foresight Project, University Lecturer.

**Pier Francesco Moretti** - Physicist, PHD astronomy, PHD earth sciences, CNR researcher, former Member of the CNR Representation in Brussels and Member of the CNR Foresight Project.

**Lucia Scajola** - Focuses mainly on politics and external relations, including from the director's chair. Ghost writer and convention moderator. Has organized and managed election campaigns and news reviews.

### Friday, December 02, 2022 - "Did the mafias anticipate globalization?"

**Giuseppe Felice Peritore** - Quaestor of the Province of Imperia, a graduate in Law and licensed to practice law, joined the Administration in 1988.

**Alberto Lari** - Magistrate, public prosecutor.

**Alberto Indelicati** - Magistrate, President of the Criminal Section of the Court of Imperia.

**Marco Esposito** - Architect, forensic engineer at the Court of Turin.

### Friday, January 27, 2023 - "Actors or Victims of Digital Transformation?"

**Paolo Ferragina** - Professor of Algorithms at the University of Pisa, Chair of the Doctoral Program in Computer Science in collaboration with the Universities of Florence and Siena. Founder and director of Acube Lab, specializing in algorithm design for Big Data in collaboration with global companies such as Google, Bloomberg, Yahoo! and Microsoft.

**Enrico Pedemonte** - A graduate in physics, he was a high school physics teacher and then a journalist. He worked as a reporter and correspondent at Secolo XIX, then for 25 years at L'Espresso (editor-in-chief and for six years a correspondent from the United States) and as editor-in-chief at Repubblica.

**Ezio Andreta** - Bachelor's Degree in Political Science, Master's Degree in Economics, former Research Director of the European Commission, Government Commissioner of the Italian Agency for Innovation, President of the Agency for European Research (APRE), former Member of the General Scientific Council of the CNR and Coordinator of the CNR Foresight Project, University Lecturer.

### Friday, February 24, 2023 - "What Future for Energy?"

**Nicola Armaroli** - Chemist, Research Director at CNR, Editor of the journal "Sapere" and Member of the National Academy of Sciences, Member of the Executive Committee of the "European Chemical Society," Galileo Literary Prize for popularization of science.

**Luciano Cinotti** - Chief Scientific Officer at Newcleo, is Euratom representative and chair of the LFR (Lead Fast Reactors) Steering Committee of the Generation-IV International Forum from its inception until 2010. A

graduate in nuclear engineering, he worked at Ansaldo for 30 years and is one of the leading experts in fast reactor technologies; he has authored most of the world's patents related to LFRs.

**Giorgio Einaudi** - Physicist, Scientific Director of the CNR Foresight Project, Member of the Comitans Foundation, former Professor at the University of Pisa and Scientific Advisor at the Italian Embassy in Washington.

### **Friday, March 24, 2023 - "Can artificial intelligence help us save the planet?"**

**Mario Rasetti** - Nuclear engineer, degrees in mathematics and physics. Professor emeritus of the Polytechnic University of Turin, creator of the ISI Foundation, Maiorana Prize for theoretical physics, Volta Medal for science. Guarantor of the Artificial Intelligence System of Banca Intesa-Sanpaolo, Chairman of the Scientific Committee of CENTAI (Advanced Research Center for Artificial Intelligence) in Turin.

**Paolo Benanti** - Franciscan Third Order Regular - TOR. He works on ethics, bioethics and technology ethics, focusing on the management of innovation: the Internet and the impact of the Digital Age, biotechnology for human enhancement and biosafety, neuroscience and neurotechnology.

**Enrico Pedemonte** - A graduate in physics, he was a high school physics teacher and then a journalist. He worked as a reporter and correspondent at Secolo XIX, then for 25 years at L'Espresso (editor-in-chief and for six years a correspondent from the United States) and as editor-in-chief at Repubblica.