

# The Human Code: How Our Brains Navigate the Digital Age



May 14th



Aula Nasini | Department of Chemical Sciences - Via Marzolo, 1 (PD)



Register at <https://forms.gle/uQNemr7XWkAcKv528>



10 AM - 10:40 AM

## A 15-Minutes History of (Humankind and) Cybersecurity

MAURO CONTI | University of Padova

This session explores the growing importance of cybersecurity and its impact on both the past and the future. As technology evolves, cybersecurity remains a key factor in shaping the digital world and everyday life.



10:40 AM - 11:20 AM

## Clear Science, Dark Science

GIANFRANCO PACCHIONI | Università di Milano-Bicocca

This session explores the shifting landscape of scientific discovery, where Big Tech and military research increasingly shape innovation. Once led by public institutions, breakthroughs in quantum computing, neuroscience, and biotechnology now often unfold in secrecy, beyond public oversight. This growing divide between open and proprietary research raises crucial questions about the future of knowledge, innovation, and equity.



11:50 AM - 12:30 AM

## Old Brain, New World

NATALIE WOOD | Engage To Evolve

As we navigate an increasingly complex world, understanding our emotions and behavior is crucial for living fulfilled lives. We often set high demands on ourselves and others, but forget that our biology and brain are adapted to a different environment. Understanding our human nature can help us lead ourselves with kindness toward our goals.



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



Master's Degree in Sustainable  
Chemistry and Technologies for  
Circular Economy



## **MAURO CONTI | University of Padova**

### **Speaker's background**

Mauro Conti is Full Professor at the University of Padua, Italy. He obtained his Ph.D. from Sapienza University of Rome, Italy, in 2009. He has been awarded with a Marie Curie Fellowship (2012) and with a Fellowship by the German DAAD (2013). His research is also funded by companies, including Cisco, Intel, and Huawei. His main research interest is in the area of Security and Privacy. He published more than 500 papers in topmost international peer-reviewed journals and conferences. He is EiC for IEEE TIFS, Area EiC for IEEE COMST, and has been AE for several journals. He was Program Chair and General Chair for several international conferences. He is Fellow of the IEEE and Senior Member of the ACM. He is a member of the Blockchain Expert Panel of the Italian Government. He is Fellow of the Young Academy of Europe. From 2020, he is Head of Studies of the Master Degree in Cybersecurity at University of Padua.

## **GIANFRANCO PACCHIONI | Università di Milano-Bicocca**

### **Speaker's background**

Gianfranco Pacchioni is a Full Professor of Materials Chemistry at the University of Milano-Bicocca, where he has also served as Pro-Rector for Research. His work focuses on materials for energy and the environment. He earned his PhD from the Freie Universität Berlin in 1984 and has conducted research at the IBM Research Center in Almaden, California, the Technical University of Munich, and the Fritz-Haber Institute in Berlin. For his research, he has received several prestigious awards, including the Nasini Medal (1994), the Pisani Medal (2017), and the Cannizzaro Medal (2024) from the Italian Chemical Society, the National Federchimica Award (1996), the Humboldt Research Award (2005), and the Pascal Medal from the European Academy of Sciences (2016). He is a member of the National Academy of the Lincei, the Academia Europaea, the European Academy of Sciences, and the Istituto Lombardo Accademia di Scienze e Lettere. He has published several popular science books, including: *Ideas for Becoming a Materials Scientist* (Zanichelli, 2006); *How Small Is the World* (Zanichelli, 2008); *Science, Quo Vadis?* (Il Mulino, 2017); *The Last Sapiens* (Il Mulino, 2019); *Long Live CO2* (Il Mulino, 2021); *The Nanoworld: From Viruses to Transistors* (Edizioni Dedalo, 2021); and *Fantastic Materials and How to Create Them* (Zanichelli, 2023).

## **NATALIE WOOD | Engage To Evolve**

### **Speaker's background**

20+ years in corporate commercial & leadership roles (GE, Eaton, Sonova), Postgraduate Diploma - Neuroscience & Psychology of Mental Health (King's College London), ICF & EMCC accredited Systemic Team Coach, Personality Profile "Principles You" certified Coach, Partner at LMI (Leadership Management International) DACH, Founder of Engage To Evolve for Training & Coaching.

