



Code biology 2024

Decima Conferenza Internazionale

La Spezia 12-14 Giugno 2024

The Code Biology Society

Accademia Lunigianese di Scienze "G. Capellini"

in collaborazione con



Programma scientifico

Mercoledì, 12 Giugno

08.30 - 09.00 Saluto delle autorità

- | | | |
|---------------|-----------------------|--|
| 09.00 – 09.30 | Almo Farina, IT | <i>The role of the ecological codes in the transformation of the Lunigiana territory: Evidences and consequences</i> |
| 09.30 – 10.00 | Valerio Marconi, IT | <i>Cultural landscape and distributed languaging. A historical and linguistic encounter in Lunigiana</i> |
| 10.00 – 10.30 | Ádám Kun, HU | <i>Open-ended evolution achieved by repurposing of codes</i> |
| 11.00 – 11.30 | Marcello Barbieri, IT | <i>The novelties of code biology</i> |

- 11.30 – 12.00 Barbora Jurková, CZ *What is the extended mechanism?*
- 12.00 – 12.30 Mikhail Ilyin, RU *Modeling: Moments and manifestations, affordances and outcomes*
- 15.00 – 15.30 Fahad Al-Mutairi, KW *The code view of language: Challenges and promises*
- 15.30 – 16.00 Camilla Robuschi, IT *Code biology and abduction in the creative process*
- 16.00 – 16.30 Kirill Postoutenko, DE *Why narratives? The evolutionary necessity of narrations in natural and social world*
- 17.00 – 17.30 Anna Aragno, US *The algorithm; mind of a virtual era, our code of codes*
- 17.30 – 18.00 Marcella Faria, BR *Verses, nerves, veins and arabesques – the morphogenesis of patterns that make sense*
- 18.00 – 18.30 Claudio Rodríguez, CZ *Are there grounded semantics in (model) organisms?*

Giovedì, 13 Giugno

- 09.00 – 09.30 Robert Prinz, DE *To code or not to code?*
- 09.30 – 10.00 Elena Fimmel, DE *Forbidden codon combinations in error-detecting circular codes*
- 10.00 – 10.30 Lutz Strüngmann, DE *The spiderweb of error-detecting codes in the genetic information*
- 11.00 – 11.30 Branko Dragovich, SRB *From physical to biological information and the genetic code*
- 11.30 – 12.00 Oscar Castro Garcia, SP *Codepoiesis approach to the exaptation molecular architecture in simple cells: A biophysics and biosemiotic framework for basal cognition processes*
- 12.00 – 12.30 Guido Fioretti, IT *Sherlock Holmes doesn't play Dice: The mathematics of novel possibilities in uncertain information transmission*

Venerdì, 14 Giugno

- 09.00 – 09.30 Nikola Štambuk, HR *Relational model of all genetic codes*
- 09.30 – 10.00 Albert Štambuk, HR *Square of opposition based modelling in code biology: From biological codes to codes of culture*
- 10.00 – 10.30 Philip Bucher, CH *The gene regulatory code of multicellular organisms*
- 11.00 – 11.30 João Carlos Major, PT *The cortex as a 'model builder' or 'archetype maker'*
- 11.30 – 12.00 Erik Goodwyn, US *The innate psychobiological symbol code*
- 12.00 – 12.30 João Vedor, PT *In the beginning was the deed*
- 15.00 – 15.30 Candice Shelby, US *Social codes and some huge social problems: The problem may be in the solution*
- 15.30 – 16.00 Gabriele Marino, IT *Facial codes: From physiognomy to semiotics*
- 16.00 – 16.30 Omar Paredes, MX *The dual code continuum: Bridging cellular composition to cognitive functions in brain organization*
- 17.00 – 17.30 Sergey Petoukhov, RU *Code biology, genetic coding of cyclic processes, and cyclic gray codes*
- 17.30 – 18.00 Suren Zolyan, AM *On the pragmatic dimension of genetic coding and performative codons*