Programma della Giornata dei Giovani IAC
10 Dicembre 2020

9.30 **opening**

9.45 **Caterina Balzotti**

Title: A computational modular approach to evaluate NOx emissions and ozone production due to vehicular traffic

Referente: Maya Briani

10.10 **Elishan Braun**

Title: Approximation and Parameter Estimation of a Chemotaxis MultiDomain Transmission Model for Microfluid Chips with Real Data

Referenti: Gabriella Bretti, Daniela Mansutti, Roberto Natalini

10.35 **Eugenio Del Prete**

Title: Development of tools for omic data analysis

Referente: Claudia Angelini

11.00 **break**

11.20 **Fabio Durastante**

Title: (Sparse) Linear Algebra at the Extreme Scales

Referente: Pasqua D'Ambra

11.45 **Angela Martiradonna**

Title: Soil Organic Carbon turnover models for Land Degradation Neutrality

Referente: Fasma Diele, Carmela Marangi

12.10 **Marta Menci**

Title: Collective motions:mathematical models and simulations

Referente: Emiliano Cristiani

12.35 Marco Mingione

Title: Efficient estimation of temporal Gaussian processes models for physical activity level in a large scale population study

Referente: Massimo Bernaschi

13.00 pausa pranzo

14.30 Giorgia Ciavolella

Title: Existence of a global weak solution for a reaction-diffusion problem with membrane conditions

Referente: Roberto Natalini

14.55 Andrea Montessori

Title: Wet to dry self-transitions in soft flowing crystals

Referente: Marco Lauricella

15.20 Elia Onofri

Title: ML-based Algorithms and Models for Analysing Heterogeneous Data

Referenti: Castiglione, Cristiani, Lombardi, Pedicini

15.45 break

16.05 Dario Pasquini

Title: Password Security meets Deep Learning: On a new generation of attacks and defenses

Referente: Massimo Bernaschi

16.30 Valeria Policastro

Title: Robustness In Network and Data Integration

Referenti: Claudia Angelini, Annamaria Carissimo

16.55 Paola Stolfi

Title: Multi–level modelling: from risk of type-2 diabetes to spread of antibiotic resistance

Referente: Filippo Castiglione

17.20 chiusura dei lavori e saluti

Organizzato da:

CNR - Istituto per le Applicazioni del Calcolo "Mauro Picone"

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