

CURRICULUM VITAE

Giulia Duricchi

Work Experience

Tutor for Mathematical Analysis II course of Bachelor's degree in Mathematics
[October 2023-February 2024]

University of Perugia

Tutor for Mathematical Analysis II course of Bachelor's degree in Mathematics
[October 2022-February 2023]

University of Perugia

Mathematics and Physics teacher [October 2021-November 2021]

IPAA, Fabro (TR)

Mathematics and Physics teacher [February 2021-June 2021]

Liceo Plinio il Giovane, Città di Castello

Tutor for Mathematics course of Bachelor's degree in Geology [October 2017-
December 2017], [October 2018-December 2018], [October 2019-December 2019]

University of Perugia

Education and Training

Enrolled in PhD Program in Mathematics [2021-Current]

University of Florence

Supervisor: Tiziana Cardinali

Scuola Matematica Interuniversitaria [July 2022-August 2022]

University of Perugia.

Courses attended:

Differential Equations in Mathematical Physics (Prof. Mousomi Bhakta)

Functional Analysis (Prof. Nicola Arcozzi)

Master's degree in Mathematics [2017-2020]

University of Perugia.

Thesis: Second order semilinear differential inclusions without compactness in Banach spaces.

Supervisor: Tiziana Cardinali

Bachelor's degree in Mathematics [2014-2017]

University of Perugia.

Thesis: Recenti risultati di punto fisso di tipo Schauder per operatori discontinui.

Supervisor: Tiziana Cardinali

Digital Skills

-
- Python
 - C
 - LaTeX
-

Language Skills

Mother tongue: Italian

Other languages: English - intermediate

Additional Informations

Publications:

T. Cardinali, G. Duricchi: On nonlocal problems for semilinear second order differential inclusions without compactness. *Electron. J. Qual. Theory Differ. Equ.* No. 66 (2021), 1-32.

T. Cardinali, G. Duricchi: Further study on second order nonlocal problems monitored by an operator: an approach without compactness. *Electron. J. Qual. Theory Differ. Equ.* No. 13 (2023), 1-34.

T. Cardinali, G. Duricchi: Strong and mild solutions for Sturm-Liouville differential inclusions. *Set-Valued Var. Anal.* **32** No. 3 (2024).

Preprints:

T. Cardinali, G. Duricchi: On the controllability of a second order multi-dimensional differential equation subjected to damping term and impulses.

T. Cardinali, G. Duricchi: On Duffing differential inclusions with Dirichlet conditions: strong solutions and optimal control.

Seminars:

La mappa di ESCHATON: Se un calzino bucato segnala una base missilistica, Perugia [14/03/2022]

Comunicare la Matematica, Perugia [08/04/2022]

Uno sguardo dentro le immagini: il ruolo dei modelli e degli algoritmi matematici, Perugia [06/05/2022]

Sotto il segno del toro - The "Mirzakhani Issue", Perugia [20/05/2022]

A unified approach to the study of some equations arising from models of applied sciences, Firenze [16/12/2022]

Variational convergences for functionals and differential operators depending on vector fields, Perugia [14/02/2023]

Non arbitraggio: dai prezzi di mercato alle probabilità... e oltre, Perugia [31/03/2023]

Calcolare con i bit indecisi: un'introduzione al quantum computing, Perugia [14/04/2023]

Nuove sfide (e soluzioni) in Crittografia: computer quantistici e privacy, Perugia [28/04/2023]

Donne con i numeri, Perugia [12/05/2023]

Seminari del Centenario- Incontro scientifico a Messina, online [06/07/2023]

What's Next? IT in Industria una Carriera Possibile, Perugia [30/04/2024]

Conferences:

“100 years UMI - 800 years UniPD”, Padova [23/05/2022-27/05/2022]. Attended

“Two days on qualitative theory of differential equations”, Firenze [30/09/2022-01/10/2022]. Attended

”Recent advances in direct and inverse problems for PDEs and applications”, Roma [05/12/2022-07/12/2022]. Attended

”Young researchers@DMI - V workshop of the Department of Mathematics and Computer Science”, Perugia [08/02/2023]. Attended.

“Differential equations and dynamics in Alba.”, Alba (CN) [11/09/2023-13/09/2023]. Attended

I Workshop Dyna.M.I.Ch.E - 2024 Dynamical Methods: Inverse problems, Chaos and Evolution, Perugia [22/03/2024]. Attended

I Workshop Dyna.M.I.Ch.E - 2024 Dynamical Methods: Inverse problems, Chaos and Evolution, Perugia [22/03/2024]. Attended

2nd AMS-UMI International Joint Meeting, Palermo 2024 [23/07/2024-26/07/2024]. Attended

Nonlinear meeting in Reggio Emilia [12/09/2024-13/09/2024]. Presentation of the poster: ”On the solutions for second order differential inclusions.”

Speaker at the conferences:

New Advances in Nonlinear Differential Equations, Messina [18/04/2024-19/04/2024].

F.to Giulia Duricchi