Valerio Dose
CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	DOSE
NOME	VALERIO
DATA DI NASCITA	27/08/1987

Current Positions

Adjunct Professor – LUISS University – Department of Economics and Finance

Education

Ph. D. in Mathematics – University of Rome "Tor Vergata" – February 2015

Master of Mathematics – University of Rome "Tor Vergata" – July 2010

Bachelor of Mathematics – University of Rome "Tor Vergata" – July 2008

Qualifications

France: Qualification - Maître de conférences – Section 25 (Mathématiques) - N. 20225346012 – 21/01/2020

Research Activity

15/02/2018-14/02/2021: Postdoctoral Researcher - LUISS "Guido Carli" – Department of Economics and Finance.

01/10/2016-30/09/2017: Postdoctoral Researcher "Ing. Giorgio Schirillo" - INdAM – Istituto Nazionale di Alta Matematica.

01/09/2015-31/08/2016: Postdoctoral Researcher "Ing. Giorgio Schirillo" - INdAM – Istituto Nazionale di Alta Matematica.

10/2013-12/2013: Visiting at Mathematisch Instituut of Universiteit Leiden, The Netherlands.

03/2012-05/2012: Visiting at Universitat Politècnica de Catalunya (UPC), Barcelona, Spain.

11/2010-02/2015: Ph. D. student - Department of Mathematics, University of Rome "Tor Vergata".

Teaching Activity

02/2021-: Adjunct Professor (Games and Strategies) – LUISS "Guido Carli" – Department of Economics and Finance.

09/2018-: Adjunct Professor (Mathematics 1) – LUISS "Guido Carli" – Department of Economics and Finance.

10/2017-09/2018: Adjunct Professor (Fondamenti di Matematica e Statistica) – "Sapienza" University of Rome – Department of Chemistry and Pharmaceutical Technologies.

10/2017-09/2018: Teaching Assistant (Geometria) – University of Rome "Tor Vergata" – Faculty of Engineering.

10/2017-09/2018: Teaching Assistant (Geometria) – LUISS "Guido Carli"- Department of Business and Management.

10/2014-01/2015: Teaching Assistant (Geometria) - University of Rome "Tor Vergata" – Faculty of Engineering.

10/2014-01/2015: Teaching Assistant (Geometria) – "Sapienza" University of Rome – Faculty of Engineering.

Publications and Preprints

V. Dose, G. Lido, P. Mercuri. **Automorphisms of Cartan modular curves of prime and composite level.** *Revision requested after first review in Algebra Number Theory.* arXiv:2005.09009.

V. Dose, P. Mercuri, A. Pal, C. Stirpe. **High order elements in Finite Fields arising from Recursive Towers.** *preprint.* arXiv:2009.10572.

V. Dose, P. Mercuri, C. Stirpe. **Double Covers of Cartan Modular Curves.** *J. Number Theory.* **195** (2019), 96-114.

V. Dose. **On the automorphisms of the non-split Cartan modular curves of prime level.** *Nagoya Math. J..* **224** (2016), no. 1, 74-92.

V. Dose, J. Fernández, J. González, R. Schoof. **The automorphism group of the non-split Cartan modular curve of level 11**. *J. of Algebra.* **417** (2014), 95-102.

V. Dose, N. Green, M. Griffin, T. Mao, L. Rolen, J. Willis. **Singular moduli for a distinguished non-holomorphic modular function**. *Proc. Amer. Math. Soc..* **143** (2015), no.3, 965-972.

R. Cominetti, V. Dose, M. Scarsini. **The Price of Anarchy in Routing Games as a Function of the Demand.** *Revision requested after first review in Math. Program.* arXiv: 1907.10101.

R. Cominetti, V. Dose, M. Scarsini. **The Price of Anarchy in Routing Games as a Function of the Demand.** *Accepted in WINE 2019,* Abstract *published in (LNCS 11920).* Springer. Paper *submitted to Mathematical Programming.*

R. Cominetti, V. Dose, M. Scarsini. **Optimal Traffic Conditions in Two-Link Parallel Networks with Polynomial Costs.** *preprint.*

V. Dose, P. Mercuri, C. Stirpe. **Modular Curves with many Rational Points.** *preprint.* arXiv: 1603.07489.

V. Dose (written by M. Anwar). **Automorphisms of non-split Cartan modular curves.** *Proceedings of the Roman Number Theory Association.* 1 (2016), no. 1, 17-21. IF PRESS. ISBN: 978-88-6788-077-5

C. Mauduit (written by V. Dose). **Automata and Number Theory.** *Proceedings of the Roman Number Theory Association.* 1 (2016), no. 1, 17-21. IF PRESS. ISBN: 978-88-6788-077-5

Scopus – 4 papers, 10 citations, h-index 2

MathSciNet – 4 papers, 11 citations, h-index 2

preprints on arXiv – 7 papers, 23 citations, h-index 3

Participations in Congresses and Presentations

12/2020: Annual Meeting PRIN "Algadimar" – online - talk

02/2020: 4th AIROYoung Workshop – Free University of Bolzano, Italy - talk

12/2019: WINE 2019: The 15th Conference on Web and Internet Economics – Columbia University, New York, USA - talk

09/2019: MAPLE2019 – Markets, Algorithms, Prediction, and Learning – Politecnico di Milano, Italy - talk

07/2019: Twenty Years of the Price of Anarchy   - TUC, Chania, Crete, Greece - poster

05/2019: The 1st EUROYoung Workshop - IMUS, Sevilla, Spain - talk

12/2018: WINE 2018: The 14th Conference on Web and Internet Economics - University of Oxford, UK - poster

06/2017: Thematic Program in Kähler Geometry - University of Notre Dame, Indiana, USA

02/2017: MAGIC Seminar. Imperial College, London, UK - talk

05/2016: Giornate di Geometria Algebrica ed Argomenti Correlati XIII - Università di Catania, Italy - talk

09-10/2015: Modular Forms and Curves of Low Genus: Computational Aspects ICERM, Brown University, RI, USA

09/2015: Third Italian Number Theory Meeting - Centro di Ricerca Matematica "Ennio de Giorgi", Scuola Normale Superiore, Pisa, Italy – talk

05/2015: The first mini-symposium of the Roman Number Theory Association. Università Europea di Roma, Italy - talk

03/2015: Arizona Winter School 2015: Arithmetic and Higher-dimensional Varieties - University of Arizona, Tucson, USA

03/2013: Arizona Winter School 2013: Modular forms and modular curves - University of Arizona, Tucson, USA

06/2012: Contemporary methods for solving Diophantine equations - Banff International Research Station, Banff, Canada

07/2011: ACAGM Summer School - Katholieke Universiteit, Leuven, Belgium

06-07/2011: "Birch and Swinnerton-Dyer conjecture" summer school - Porto Conte Ricerche, Alghero, Italy

Data   15/03/2021   Luogo   Roma