Gledel Valentin | Curriculum Vitae

+33 6 45 47 00 63 • valentin.gledel@univ-lyon1.fr
• https://perso.liris.cnrs.fr/vgledel/

Current position
I am currently a teaching assistant at University Grenoble Alpes and a member of the team OC at the G-SCOP laboratory. I obtained my PhD on September the 24th of 2009 and its title is Vertex covering under constraints.

Education

LIRIS - Université Claude Bernard Lyon 1 September 2016 – September 2019
PhD student in theoretical computer science Lyon
Under the supervision of Eric Duchêne and Aline Parreau

École Normale Supérieure de Lyon (ENSL) September 2015 – June 2016
2nd year of Master - Theoretical Computer Science specialisation Lyon

Technische Universität München (TUM) April 2015 – August 2015
Semester of Master in Computer Science Munich
As part of an Erasmus exchange

ENSL 2013–2015
1st year of Master - Theoretical Computer Science specialisation Lyon

ENSL 2012–2013
3rd year of Bachelor - Theoretical Computer Science specialisation Lyon

Lycée Chateaubriand 2009–2012
Higher School Preparatory Classes: MPSI/MP/MP*
Admission to the ENS Lyon on competitive exam

Work Experience

Teaching

Lectures and Exercice sessions Scholar year 2019/2020
Teaching assistant
Supervising the Graph Theory and Complexity course (giving lectures and exercise sessions) and giving exercise sessions for the Operations Research and Languages and Automata courses

Practical and Exercise sessions Scholar years 2016/2017 to 2018/2019
As part of ACE duties
Research stays

Stay at Ljubljana February 2018 – June 2018

Strong geodetic number and Maker-Breaker domination game
Research stay at Ljubljana, in the FMF (Faculty of Mathematics and Physics), which led to collaborations on the subjects of the strong geodetic number and Maker-Breaker domination game. I have worked with Sandi Klašar and Vesna Iršič and our researchs led to four publications.

Publications and conferences

Publications in international journals

Maker-Breaker total domination game
with Michael A. Henning, Sandi Klašar and Vesna Iršič
Discrete Applied Mathematics
To appear
https://arxiv.org/abs/1902.00204
https://hal.archives-ouvertes.fr/hal-02021678

Strong geodetic cores and Cartesian product graphs
with Sandi Klašar and Vesna Iršič
Applied Mathematics and Computation
December 2019
https://doi.org/10.1016/j.amc.2019.124609

Strong geodetic number of complete bipartite graphs, crown graphs and hypercubes
with Vesna Iršič
BMMS
September 2018
https://doi.org/10.1007/s40840-019-00833-6

Maker-Breaker domination number
with Sandi Klašar and Vesna Iršič
BMMS
April 2019
https://doi.org/10.1007/s40840-019-00757-1

Identification of points using disks
with Aline Parreau
Discrete Mathematics
January 2019

A generalization of Arc-Kayles
with Antoine Dailly and Marc Heinrich
International Journal of Game Theory
October 2018
https://doi.org/10.1007/s00182-018-0639-5

Papers submitted in international journals

Maker-Breaker domination game
with Eric Duchêne, Aline Parreau and Gabriel Renault
Submitted
September 2018
https://arxiv.org/abs/1807.09479
https://hal.archives-ouvertes.fr/hal-01848805

Power domination on triangular grids with triangular and hexagonal shape
with Prosenjit Bose, Claire Pennarun and Sander Verdonschot
Submitted
June 2018
https://hal.archives-ouvertes.fr/hal-01814346

International conferences

Fast winning strategies for the Maker-Breaker domination game
avec Sandi Klašar et Vesna Iršič
LAGOS - Belo Horizonte
June 2019

Power domination on triangular grids
avec Prosenjit Bose, Claire Pennarun et Sander Verdonschot
ICGT - Lyon
July 2018
Talks

Résultats de complexité pour le jeu d’acquisition
with Guillaume Bagan, Marc Heinrich and Fionn Mc Inerney
JGA - Bruxelles
November 2019

Maker-Breaker Domination Number
with Sandi Klšar and Vesna Iršič
CGTC - Lisbonne
January 2019

Strong geodetic number and cartesian product
with Sandi Klšar and Vesna Iršič
JGA - Grenoble
November 2018

Maker-Breaker domination game
with Eric Duchêne, Aline Parreau, Gabriel Renault and Simon Schmidt
JGA - Bordeaux
November 2017

Weighted Arc-Kayles
with Antoine Dailly and Marc Heinrich
CGTC - Lisbon
January 2017

Identification of points using disks
with Aline Parreau
JGA - Paris
November 2016

Miscellaneous

Scientific popularization

MATh.en.JEANS 2014-2019
Introduction to research with Aline Parreau
Interventions in schools to propose research subjects adapted to the level of students and to guide them in their researches.

Maths à Modeler 2015-2017
Introduction to research
Interventions in classes, at the "Maison des Maths et de l’Informatique de Lyon" (house of mathematics and computer science of Lyon) or during events of the same type as the science festival, to propose small discrete mathematics subjects to students from elementary school to high school.

Talks 2017
In the scope of an "Expresso" talk at Lyon 1 and of the french science festival
Talks aiming to explain the concept of algorithms to a public of all ages.

Languages and computer science skills

French: Native speaker
English: Fluent, C1 level
Computer Languages: Ocaml, Latex, basics of C, C++, Java and Python