

Curriculum Vitæ

Name :	Jason Schoeters	Office :	DISIA office 61,
Website :	https://jschoete.github.io		Florence 50134,
E-mail :	jason.schoeters.cs@gmail.com		Italy
Phone :	+44 7472488591	Last updated :	December 4 2024

EXPERIENCE

Postdoctoral research fellow	<i>2024 - 2025</i>
University of Florence, Italy	
<i>Subjects</i> : Cycles and DLT/blockchains in temporal graphs	
at DISIA, collaborating with Andrea Marino	
 Research associate	 <i>2023 - 2024</i>
University of Cambridge, United Kingdom	
<i>Subjects</i> : Behavioural complexity in humans and artificial intelligence	
at Faculty of Economics, collaborating with Peter Bossaerts	
 Postdoctoral research fellow	 <i>2021 - 2022</i>
University of Le Havre, France	
<i>Subjects</i> : Components and dense spanners in temporal graphs	
at LITIS, collaborating with Eric Sanlaville	
 Research and teaching assistant	 <i>2020 - 2021</i>
University of Bordeaux, France	
<i>Subjects</i> : Structural and algorithmic geometrical problems	
at LaBRI	

DIPLOMAS

French qualification for associate professor	<i>2023</i>
Higher education and research ministry, France	
 PhD in Computer Science	 <i>2017 - 2020</i>
École doctorale Mathématiques et Informatique, Bordeaux, France	
<i>Subject</i> : Contributions to temporal graph theory and mobility-related problems	
at LaBRI, supervised by Arnaud Casteigts	
<i>Research visit</i> : Simon Fraser University, Vancouver, Canada	<i>winter 2020</i>
Gossiping and influence diffusion, invited by Joseph G. Peters	
 Master of Theoretical Computer Science	 <i>2015 - 2017</i>
Collège Sciences et technologies, Université de Bordeaux, France	
<i>Internship</i> : VectorTSP	<i>summer 2017</i>
at LaBRI, supervised by Arnaud Casteigts	
 Bachelor of Computer Science	 <i>2012 - 2015</i>
Collège Sciences et technologies, Université de Bordeaux, France	
<i>Internship</i> : Image processing, network theory and graphical art	<i>summer 2013</i>
at LaBRI, supervised by Guy Melançon	

PUBLICATIONS

Temporal Cycle Detection and Acyclic Temporization

| J. Araujo, D. de Andrade, A. Ibiapina, A. Marino, J. Schoeters, A. Silva
| Conference version submitted 2025+

On inefficiently connecting temporal networks

| E. Christiann, E. Sanlaville, J. Schoeters
| Journal version TBD 2025+
| 3rd Symposium on Algorithmic Foundations of Dynamic Networks (SAND) 2024

Temporally connected components

| S. Balev, E. Sanlaville, J. Schoeters
| Theoretical Computer Science (TCS) 2024

VectorTSP : A Traveling Salesperson Problem with Racetrack-like acceleration constraints

| A. Casteigts, M. Raffinot, J. Schoeters
| Under revision for Discrete Applied Mathematics (DAM) 2024+
| 16th Int. Symposium on Algorithms and Experiments for Wireless Sensor Networks (IWOCA) 2020

Temporal Cliques Admit Sparse Spanners

| A. Casteigts, J.G. Peters, J. Schoeters
| Journal of Computer Systems and Science, Elsevier (JCSS), Vol. 121, 1-17 2021
| 46th Int. Colloquium on Automata, Languages, and Programming (ICALP) 2019

SOFTWARE DEVELOPMENT

VectorTSP competition

| Java program computing VectorTSP benchmarks with multiPointAStar algorithm 2021
| available on <https://github.com/jschoete/competitionVectorTSP>

Estimation, approximation and exact computation of overlapping canopied areas

| Java program computing canopied areas covered by given buffer zone 2021
| with Clément Larue
| available on <https://github.com/jschoete/CanopyAreaComputer>

Mobility models inducing temporal graph properties

| Java library using JBotSim for inducing temporal graph properties in MANET 2021
| with Arnaud Casteigts
| available on <https://github.com/jschoete/mobilitymodels>

Automatic analysis of large DNA genotyping data

| Java program analyzing Excel data files for DNA parent/child mismatches 2020
| with Clément Larue
| available on <https://github.com/jschoete/mismatchfinder>

TALKS

Temporal Cycle Detection and Acyclic Temporization

| *NESTID seminar*, Durham, United Kingdom *November 15 2024*

Learning-based classification and generation of temporal cliques

| *LIPNE complexity seminar*, Cambridge, United Kingdom *April 12 2024*

Knapsack Solution Robustness

| *LIPNE complexity seminar*, Cambridge, United Kingdom *February 16 2024*

On inefficiently connecting temporal networks

| *TEMPOGRAL workshop*, Honfleur, France *February 7 2024*

| *Economic networks seminar*, Cambridge, United Kingdom *December 1 2023*

| *LIPNE complexity seminar*, Cambridge, United Kingdom *October 6 2023*

| *ICALP temporal graph workshop*, Paderborn, Germany *July 10 2023*

Temporal graph theory : structure and algorithmics

| *Microeconomics seminar*, Cambridge, United Kingdom *March 15 2023*

Temporally connected components

| *NESTID seminar*, Durham, United Kingdom *May 4 2023*

| *AlgoDist seminar*, Bordeaux, France *April 24 2023*

| *TEMPOGRAL seminar*, Poitiers, France *November 24 2022*

| *Journées Graphes et Algorithmes*, Paris, France *November 17 2022*

Estimation, approximation and exact computation of overlapping canopied areas

| *Heudiasyc CID seminar*, Compiègne, France *April 12 2022*

| *INRAE Biogeco seminar*, Bordeaux, France *December 10 2021*

Contributions to temporal graph theory and mobility-related problems

| *LaBRI PhD defense*, Bordeaux, France *March 29, 2021*

VectorTSP : A Traveling Salesperson Problem with Racetrack-like acceleration constraints

| *CITI CHROMA seminar*, Lyon, France *May 10, 2022*

| *AlgoTel*, La Rochelle, France *September 22, 2021*

| *LITIS RI2C seminar*, Le Havre, France *June 15, 2021*

| *TU Berlin Algorithmics Colloquium*, Berlin, Germany (online) *December 8, 2020*

| *LaBRI distributed algorithms seminar*, Bordeaux, France *September 14, 2020*

| *ALGOSENSORS*, Pisa, Italy (online) *September 10, 2020*

| *SFU Theory Seminar*, Vancouver, Canada *March 2, 2020*

Temporal Cliques Admit Sparse Spanners

| *LITIS RI2C seminar*, Le Havre, France *May 31, 2022*

| *ROADEF*, Lyon, France *February 24, 2022*

| *LIP6 complex networks seminar*, Paris, France *November 10, 2020*

| *SFU Discrete Maths Seminar*, Vancouver, Canada *February 18, 2020*

| *AlgoTel*, Narbonne, France (**best student paper award**) *June 4 - 7, 2019*

| *Workshop CoA*, Roscoff, France *April 3 - 5, 2019*

| *LaBRI distributed algorithms and graphs seminar*, Bordeaux, France *March 11, 2019*

| *Journées Graphes et Algorithmes*, Grenoble, France *November 14 - 16, 2018*

OTHER

Sexual interference revealed by joint study of male and female pollination success in chestnut

C. Larue, E. Klein, R. Petit	
Molecular Ecology	2022
(Contribution through large DNA genotyping data analysis program)	

STUDENTS

Esteban Christiann (L3 ENS Paris-Saclay)

summer 2022

<i>Internship</i> : Dense spanners and related problems
at LITIS, co-supervised with Eric Sanlaville

Valentin Pasquale (L3 ENS Lyon)

summer 2019

<i>Internship</i> : Fireworks technique for temporal spanners
at LaBRI, co-supervised with Arnaud Casteigts

TEACHING (\approx 350 HOURS)

University of Bordeaux

Mobility algorithms (2 nd year Master of Networking)	2020-2021
Automata theory (3 rd year Bachelor of CS)	
Techniques for algorithms and programming (3 rd year Bachelor of CS)	
Excel and CS basics (2 nd year Bachelor of Economics and Management)	
Array algorithms (1 st year Bachelor of Math and CS, given in English)	
CS basics (1 st year Bachelor of Math and Science)	
CS specialty (1 st year Bachelor of Math and Science)	
Mobility algorithms (2 nd year Master of Networking)	2019-2020
Array algorithms (1 st year Bachelor of Math and CS)	
CS basics (1 st year Bachelor of Math and Science)	
Basic data structure algorithms (2 nd year Bachelor of CS)	2018-2019
Networking (2 nd year Bachelor of CS)	
Basic data structure algorithms (2 nd year Bachelor of CS)	2017-2018
Array algorithms (1 st year Bachelor of Math and CS)	

Bordeaux high schools

MATH.en.JEANS (\approx 14-year-olds)	2018-2019
Maths à modeler (\approx 17-year-olds)	2017-2018

SERVICE

ALGOWIN : program committee member	2024
SAND : program committee member	
LIPNE complexity seminar : co-organiser	2023-present
AlgoTel : program committee member	2022-2024
ANR TEMPOGRAL : member	2022-present
IWOCA : organizing committee member	
LaBRI AlgoDist seminar : co-organiser	2019-2021
PhD student association Afodib : secretary and seminar organizer	2018-2021
FCT : organizing committee member	2017
\approx 100 reviews for workshops, conferences, and journals	2017-present