



# Valentin D. Richard

*PhD Student*

## Education

- 2021– **PhD in computer science**, *LORIA (Université de Lorraine)*, Nancy (France), Joint PhD with ILLC, University of Amsterdam  
Topic: Dynamic Aspects of Inquisitive Semantics under Modals and Attitudes  
Supervisors: Philippe de Groote, Reinhard Muskens and Floris Roelofsen
- 2020–2021 **Master of Computational Linguistics, 2nd year**, *Université de Paris*, in Paris (France), research programme
- 2018–2019 **Parisian Master of Research in Computer Science (MPRI), 1st year**, *École Normale Supérieure Paris-Saclay*, in Cachan (France)  
personal specialisation in computational linguistics
- 2017–2018 **Bachelor of science, 3rd year, major in computer science**, *École Normale Supérieure Paris-Saclay*, in Cachan (France)
- 2015–2017 **CPGE (Classe Préparatoire aux Grandes Écoles)**, at *Chateaubriand high school*, in Rennes (France)  
French preparatory class : a 2-year intensive program to prepare for France's top schools, including a multidisciplinary approach in science (maths, physics, chemistry, computer science), and a one year and a half long team project (topic : AI for the Quarto game)

## Professional experiences

- February–July of 2021 **Computational linguistics master thesis**, *SEMAGRAMME team*, Loria (Nancy, France), supervised by Philippe de Groote  
Topic : Embedding Intensional Semantics into Inquisitive Semantics
- 2019–2020 **Pre-doctoral Research Year Abroad**, *Universiteit Utrecht*, in Utrecht (the Netherlands), supervised by Michael Moortagt and Giuseppe Greco  
Topic: Connections between Extended Lambek Calculus and Linear Logic  
(additionally attending master linguistics courses, and 18 hours of tutorial given for the course “Logical Grammars”)
- February–August of 2019 **Computational linguistics internship**, *project A02*, SFB 991, Heinrich Heine Universität, (Düsseldorf, Germany), supervised by Laura Kallmeyer and Rainer Osswald  
Topic: Introduction of Quantifiers in Frame Semantics
- June–July of 2018 **Computational linguistics internship**, *SEMAGRAMME team*, Loria (Nancy, France), supervised by Philippe de Groote  
Topic: Transformation of Lambek Categorical Grammars into Abstract Categorical Grammars (ACG)

## Distinctions and grants

- 2021 **Best Student Paper Award**, 46th Symposium on Mathematical Foundations of Computer Science (MFCS 2021), for the article *Keyboards as a Model of Computation* [2]

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- 2019 **Excellence grant**, *Bourse de mobilité internationale de stage de l'Université Paris-Saclay (2018-2019, vague 2)*, Université Paris-Saclay, for an internship in Utrecht University  
Amount: €4,248
- 2019 **Research project grant**, *Bourse Éole (2019, spring session)*, Réseau franco-néerlandais (Université de Lille), for an internship in Utrecht University  
Amount: €500

## Responsibilities

- 2024– **Elected PhD representative**, at LORIA laboratory council

## Teaching

- 2021–2023 **Script Languages (in French)**, *Bachelor of Business Informatics, 3rd year*, IDMC (Nancy, France), Lectures and tutorials  
50h taught per year
- 2023–2024 **Discourse & Dialogue modeling**, *NLP Master, 2nd year*, IDMC (Nancy, France), Tutorials  
9h taught per year

## Organization

- 20 June 2023 **Local chair of InqBnB4 workshop**, (*Inquisitiveness Below and Beyond the Sentence Boundary*), Nancy (France), hosted by IWCS 2023

## Supervision

- June–August 2022 **Gwenaëlle Leon**, *3rd year of bachelor's internship*, Université Paris Cité (Paris, France)  
Topic: Adding macros in the meta-ACG tool

## Popularization

- 17 April 2024 **Workshop**, for *Université Populaire et Participative de Vandœuvre*, Fabrique des Possibles (Vandœuvre-lès-Nancy, France)  
Title: Artificial intelligence: wassat? (original: Intelligence Artificielle : Quésaco ?)
- 16 October 2023 **Round-table discussion participation**, organised by *CJD Section de Nancy*, Télécom Nancy (Nancy, France)  
Title: AI, at what cost? (original: L'IA, À quel prix ?)
- 22 June 2023 **Pint of Science**, La Taverne de l'Irlandais (Nancy, France)  
Title: How does my phone (not) understand what I'm saying? (original: Comment mon téléphone fait pour (ne pas) comprendre ce que je dis ?)

## References

- [1] Philippe de Groote and Valentin D. Richard. “Embedding Intensional Semantics into Inquisitive Semantics”. In: *MOL 2021 - 17th Meeting on the Mathematics of Language*. Montpellier (online), France, Dec. 13, 2021.
- [2] Yoan Gérard, Bastien Laboureix, Corto Mascle, and Valentin D. Richard. “Keyboards as a New Model of Computation”. In: *46th International Symposium on Mathematical Foundations of Computer Science (MFCS 2021)*. Ed. by Filippo Bonchi and Simon J. Puglisi. Vol. 202. Leibniz International Proceedings in Informatics (LIPIcs). Dagstuhl, Germany: Schloss Dagstuhl – Leibniz-Zentrum für Informatik, Aug. 2021, 49:1–49:20. ISBN: 978-3-95977-201-3. DOI: 10.4230/LIPIcs.MFCS.2021.49 (page 1).
- [3] Giuseppe Greco, Valentin D. Richard, Michael Moortgat, and Apostolos Tzimoulis. “Lambek-Grishin Calculus: Focusing, Display and Full Polarization”. In: *Samson Abramsky on Logic and Structure in Computer Science and Beyond*. Ed. by Alessandra Palmigiano and Mehrnoosh Sadzadeh. Outstanding Contributions to Logic 25. Springer Cham, 2023. ISBN: 978-3-031-24119-2. arXiv: 2011.02895.

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- [4] Valentin D. Richard. “« selon comment vous vous positionnez » : Étude des circonstanciels à interrogative”. In: 9e Congrès Mondial de Linguistique Française. Vol. 191. Lausanne: SHS Web of Conf., 2024, p. 14010. DOI: 10.1051/shsconf/202419114010.
- [5] Valentin D. Richard. “Est-ce que l'extraction des interrogatives du français peut-elle être automatisée ?” In: 5èmes Journées Du Groupement de Recherche CNRS “ Linguistique Informatique, Formelle et de Terrain ” (LIFT 2023). Ed. by Karèn Fort, Claire Gardent, and Yannick Parmentier. Nancy, France: CNRS, Nov. 2023, pp. 69–76.
- [6] Valentin D. Richard. “Simulating Feature Structures with Simple Types”. In: *Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies: Student Research Workshop*. Hybrid: Seattle, Washington + Online: Association for Computational Linguistics, July 2022, pp. 113–122.
- [7] Valentin D. Richard and Floris Roelofsen, eds. *Proceedings of the 4th Workshop on Inquisitiveness Below and Beyond the Sentence Boundary*. Nancy, France: Association for Computational Linguistics, June 2023. 61 pp. ISBN: 978-1-959429-96-8.

## Personal experiences

February of 2019 **Event organisation**, *Interludes 2019*, as the president of Bureau des Loisirs (Leisure Bureau)  
 week-end game gathering of the 4 ENSs of France (250 participants)

## Languages

French Mother tongue

German B2 level

2019 **Internship in a foreign country**, (*Germany*)  
 6 months living with a German family

English C1 level (*Cambridge Advanced Certificate*)

2013 **Exchange**, *in the U.S.*, with Jeanne d'Arc high school  
 Two weeks living with an American family (Connecticut)

Dutch Basics

## Skills

Programming skills Python, OCaml, C,  $\text{\LaTeX}$

## Interests

Drama (7-year experience)  
 Role-play games

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