Najib Idrissi

Curriculum Vitæ (en)

Université Paris Diderot – IMJ-PRG
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Career

09/2018–...	**_Maître de conférences_**, *Université Paris Diderot / Institut de Mathématiques de Jussieu-Paris Rive Gauche*, Paris, France. (literally, "lecturer" = permanent faculty position, rank B)
02/2018–08/2018	**Postdoctoral researcher**, *ETH Zürich / D-MATH*, Zürich, Switzerland. Supervisor: Thomas Willwacher. Funded by ERC StG 678156–GRAPHCPX.
09/2015–01/2018	**PhD in Mathematics**, *Université Lille 1 / Laboratoire Paul Painlevé*, Lille, France. Funded by an *Allocation Spécifique* of the ENS. Thesis defended on November 17th, 2017. Advisor: Benoit Fresse. Title: *Operadic Formality and Homotopy of Configuration Spaces*.
09/2011–08/2015	**Student of the *École Normale Supérieure***, *ENS Paris / DMA*, Paris, France. 2014–2015: Research internship in preparation of a PhD – Université Lille 1; 2013–2014: Master's degree in Fundamental Mathematics – Université Paris Diderot; Fall 2013 Research internship in algebraic topology – Massachusetts Institute of Technology.

Research

Publications

[1] Najib Idrissi. "Swiss-Cheese operad and Drinfeld center". In: *Israel J. Math* 221.2 (2017), pp. 941–972. DOI: `10.1007/s11856-017-1579-7`. arXiv: `1507.06844`.

Preprints

[2] Najib Idrissi. *Formality of a higher-codimensional Swiss-Cheese operad*. Preprint. Sept. 20, 2018. arXiv: `1809.07667`.

[3] Ricardo Campos, Julien Ducoulombier, Najib Idrissi, and Thomas Willwacher. *A model for framed configuration spaces of points*. Preprint, 27 pages. July 22, 2018. arXiv: `1807.08319`.

[4] Najib Idrissi. *Curved Koszul Duality for Algebras over Unital Operads*. Preprint, 32 pages. May 4, 2018. arXiv: `1805.01853`.

[5] Ricardo Campos, Najib Idrissi, Pascal Lambrechts, and Thomas Willwacher. *Configuration Spaces of Manifolds with Boundary*. 107 pages. Feb. 2, 2018. arXiv: `1802.00716`.

[6] Najib Idrissi. *The Lambrechts–Stanley Model of Configuration Spaces*. Version 3. Submitted, 50 pages. Nov. 30, 2016. arXiv: `1608.08054`.

Other documents

[7] Najib Idrissi. "Formalité opéradique et homotopie des espaces de configuration". PhD thesis. Université de Lille, Nov. 17, 2017. URL: `http://ori.univ-lille1.fr/notice/view/univ-lille1-ori-455595`.

[8] Najib Idrissi. "Opérades et Structures Commutatives à Homotopie Près". In: *Graduate J. Math.* 1.1 (2016), pp. 9–17. URL: `http://www.gradmath.org/article/operades-et-structures-commutatives-a-homotopie-pres/`.

[9] Najib Idrissi. "Homologie et complexes de déformations d'opérades E_n". MA thesis. Université Paris Diderot, 2014.

Teaching

2018–2019	Elementary Algebra and Analysis I (lecture+exercises); Elementary Algebra and Analysis II (exercises)
2017–2018	Calculus I, L1 MASS (exercises); Fundamental mathematics I, L1 SESI (oral exams & tutoring)
2016–2017	Matrix calculus, L2 econ-management (exercises); Calculus I, L1 econ-management (exercises); Calculus I, L1 MASS (exercises)

2015–2016   Fundamental mathematics II, L1 SESI (exercises)

Service

ongoing   **Peer reviews**.
Lett. Math. Phys.; Proc. Edinb. Math. Soc.; Proc. Roy. Soc. Edinburgh Sect. A

ongoing   **Writing of abstracts for Zentralblatt MATH**.

ongoing   **One of the organizers of the Topology Seminar**, *Institut de Mathématiques de Jussieu-Paris Rive Gauche*, Paris, France.
Webpage: `www.imj-prg.fr/spip.php?article67`

10/2017   **Participation to the organization of the introductory day for young researchers**, *Colloque 2017 du GDR Topologie Algébrique*, Paris, France.

2016–2017   **One of the organizer of the PhD students' seminar**, *Laboratoire Paul Painlevé, Université Lille 1*, Lille, France.

Talks

Invited

01/2019*   **Higher Structures**, *Centre international de rencontres mathématiques (CIRM)*, Marseille, France.
TBA

06/2018   **Derived Geometry and Higher Categorical Structures in Geometry and Physics (junior speaker at the summer school)**, *Fields Institute*, Toronto, Canada.
Curved Koszul Duality for Algebras over Unital Operads

05/2018   **Graph Complexes, Configuration Spaces and Manifold Calculus**, *University of British Columbia*, Vancouver, Canada.
Configuration Spaces of Manifolds with Boundary

10/2017   **Séminaire Itinérant de Catégories**, *Université du Littoral*, Calais, France.
L'opérade Swiss-Cheese et le centre de Drinfeld

10/2016   **Conference in the honour of Saïd Zarati**, *Institut des Hautes Études (IHET)*, Tunis, Tunisia.
The Lambrechts–Stanley Model of Configuration Spaces

Seminars

12/2018*   **Stockholm Topology Seminar**, *SU + KTH*, Stockholm, Sweden.
TBA

11/2018*   **Geometry & Topology Seminar**, *IMJ-PRG*, Paris, France.
Espaces de configuration et Opérades

06/2018   **Colloque du département**, *University of Regina*, Regina (SK), Canada.
Configuration Spaces and Graphs Complexes

12/2017   **Topology, Geometry, and Algebra seminar**, *Université de Nantes*, Nantes, France.
Espaces de configuration de variétés compactes

12/2017   **Algebra and Topology seminar**, *Université de Strasbourg*, Strasbourg, France.
Espaces de configuration de variétés compactes

11/2017   **Mathematical Physics and Algebraic Topology Seminar**, *Université d'Angers*, Angers, France.
Espaces de configuration de variétés compactes

11/2017   **Homotopy in Algebraic Geometry Seminar**, *Université Paul Sabatier*, Toulouse, France.
Espaces de configuration de variétés compactes

10/2017   **Singular Spaces Geometry Seminar**, *Université Lille 1*, Lille, France.
Introduction à la théorie de l'homotopie rationnelle

10/2017   **Singular Spaces Geometry Seminar**, *Université Lille 1*, Lille, France.
L'opérade Swiss-Cheese et le centre de Drinfeld

08/2017   **Talks in mathematical physics**, *ETH Zürich*, Zürich, Switzerland.
Configuration Spaces of Compact Manifolds

05/2017	**Singular Spaces Geometry Seminar**, *Université Lille 1*, Lille, France.
	Le modèle de Lambrechts–Stanley des espaces de configuration
05/2017	**Singular Spaces Geometry Seminar**, *Université Lille 1*, Lille, France.
	La compactification de Fulton-MacPherson des espaces de configuration
01/2017	**Algebraic Topology Seminar**, *Université Catholique de Louvain – Institut de recherche en mathématique et physique*, Louvain-la-Neuve, Belgium.
	Le modèle de Lambrechts–Stanley des espaces de configuration
11/2016	**Algebraic Topology Seminar**, *Université Paris 13*, Paris, France.
	Le modèle de Lambrechts–Stanley des espaces de configuration
09/2016	**Topology Seminar**, *Université Lille 1*, Lille, France.
	Le modèle de Lambrechts–Stanley des espaces de configuration
06/2016	**Talks in Mathematical Physics**, *ETH Zürich*, Zürich, Switzerland.
	Swiss-Cheese operad and Drinfeld center
04/2016	**Topology Seminar**, *IMJ-PRG*, Paris, France.
	L'opérade Swiss-Cheese et le centre de Drinfeld
12/2015	**PhD students' seminar**, *Université Lille 1 – Laboratoire Paul Painlevé*, Lille, France.
	Opérades
12/2015	**PhD students' seminar**, *Université de Picardie Jules Verne – LAMFA*, Amiens, France.
	Opérades
10/2015	**Algebraic Topology seminar**, *Université Catholique de Louvain – Institut de recherche en mathématique et physique*, Louvain-la-Neuve, Belgium.
	L'opérade Swiss-Cheese et le centre de Drinfeld
09/2015	**Topology Seminar**, *Université Lille 1 – Laboratoire Paul Painlevé*, Lille, France.
	L'opérade Swiss-Cheese et le centre de Drinfeld

Contributed

07/2017	**Young Topologists Meeting 2017**, *SU + KTH*, Stockholm, Sweden.
	The Lambrechts–Stanley Model of Configuration Spaces
02/2017	**Conference for Young researchers in homotopy theory and categorical structures**, *MPIM Bonn*, Bonn, Germany.
	The Lambrechts–Stanley Model of Configuration Spaces
10/2016	**2016 Meeting of the GDR Algebraic Topology and Applications**, *Université de Picardie Jules Verne – LAMFA*, Amiens, France.
	The Lambrechts–Stanley Model of Configuration Spaces
(*:	Future)

Conferences, workshops and thematic schools attended

01/2019*	Higher Structures @ Centre international de rencontres mathématiques (CIRM, Luminy/Marseille)
10/2018*	Colloque 2018 du GDR Topologie Algébrique @ Université de Montpellier
06/2018	Derived Geometry and Higher Categorical Structures in Geometry and Physics @ Fields Institute (Toronto)
05/2018	Graph Complexes, Configuration Spaces and Manifold Calculus @ University of British Columbia (Vancouver)
01/2018	Rational Homotopy and its Applications @ Université de Lille
10/2017	Colloque 2017 du GDR Topologie Algébrique @ Université Paris 7
10/2017	Séminaire Itinérant de Catégories @ Université du Littoral Côte d'Opale (Calais)
09/2017	Journée des doctorants du Nord-Pas-de-Calais @ Université du Littoral Côte d'Opale (Calais)
07/2017	Workshop on Persistent Homology @ Université de Montpellier
07/2017	Young Topologists Meeting 2017 @ SU + KTH (Stockholm)
06/2017	Algebraic Topology and Representation Theory @ Université de Lille

06/2017	Derived Algebraic Geometry and Interactions @ Université de Toulouse
06/2017	Fourth Young Mathematicians Colloquium @ Vrije Universiteit Brussel
05/2017	Lens Topology and geometry 2017 @ Université d'Artois (Lens)
03/2017	Workshop on Quantum Topology @ Université Lille 1
02/2017	Conference for Young researchers in homotopy theory and categorical structures @ MPIM Bonn
10/2016	Conference in the honour of Saïd Zarati @ IHET (Tunis)
10/2016	Colloque 2016 du GDR Topologie Algébrique et Applications @ Université de Picardie Jules Verne (Amiens)
07/2016	Young Topologists Meeting 2016 @ Københavns Universitet
05/2016	Workshop: Factorization Algebras and Functorial Field Theories @ Mathematisches Forschungsinstitut Oberwolfach
03/2016	Séminaire Itinérant de Catégories @ Université Lille 1
10/2015	Colloque 2015 du GDR Topologie Algébrique et Applications @ Université de Toulouse-3
06/2015	Lens Topology and geometry 2015 @ Université d'Artois (Lens)
05/2015	Introductory School – Homotopy theory, manifolds, and field theories @ Hausdorff Research Institute for Mathematics
03/2015	Séminaire du projet ANR HOGT @ Université de Strasbourg
03/2015	Second Young Mathematicians Colloquium @ KU Leuven Kulak
03/2015	Séminaire Itinérant de Catégories @ Université du Littoral Côte d'Opale (Calais)
02/2015	Masterclass : K-théorie topologique et applications @ Université de Strasbourg
01/2015	Séminaire du projet ANR HOGT @ Université Lille 1
10/2014	Colloque 2014 du GDR Topologie Algébrique et Applications @ Université Blaise Pascal (Clermont-Ferrand)
09/2014	Colloque de clôture du projet ANR HOGT @ Université de Nice
09/2014	Espaces des lacets en géométrie et topologie @ Université de Nantes
06/2014	Young Topologists Meeting 2014 @ Københavns Universitet
05/2014	Young Mathematicians Colloquium @ Université Lille 1
01/2014	Séminaire du projet ANR HOGT @ Université Lille 1
09/2013	Gelfand Centennial Conference: A View of 21st Century Mathematics @ Massachusetts Institute of Technology
05/2013	Conference in Algebra and Topology celebrating Lionel Schwartz's sixtieth birthday @ Université de Nantes
(*:	Future)

Languages

French	Native language
English	Fluent
Spanish	Basic