Najib Idrissi

Curriculum Vitæ

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Academic Career

Since 09/2018	**Maître de conférences**, *Université Paris Diderot / Institut de Mathématiques de Jussieu-Paris Rive Gauche*, Paris, France.
02/2018–08/2018	**Postdoctoral researcher**, *ETH Zürich / D-MATH*, Zürich, Switzerland. Group of Thomas Willwacher. Funded by ERC StG 678156–GRAPHCPX.
09/2015–01/2018	**Doctorate in Mathematics**, *Université Lille 1 / Laboratoire Paul Painlevé*, Lille, France. Thesis defended on November 17th, 2017. Advisor: Benoit Fresse. Title: *Operadic Formality and Homotopy of Configuration Spaces*.
09/2011–08/2015	**Élève fonctionnaire stagiaire**, *École Normale Supérieure de Paris*, Paris, France. Ranked 1st on the "INFO" competitive entrance exam. 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. "The Lambrechts–Stanley Model of Configuration Spaces". In: *Invent. Math* (2018), pp. 1–68. ISSN: 1432-1297. DOI: 10.1007/s00222-018-0842-9. arXiv: 1608.08054. In press.

[2] 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

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

[4] Ricardo Campos, Najib Idrissi, Pascal Lambrechts, and Thomas Willwacher. *Configuration Spaces of Manifolds with Boundary*. 2018. arXiv: 1802.00716. Submitted. 107 pp.

[5] Najib Idrissi. *Curved Koszul Duality for Algebras over Unital Operads*. 2018. arXiv: 1805.01853. Submitted. 33 pp.

[6] Najib Idrissi. *Formality of a higher-codimensional Swiss-Cheese operad*. 2018. arXiv: 1809.07667. Submitted. 40 pp.

Other documents

[7] Najib Idrissi. "Formalité opéradique et homotopie des espaces de configuration". PhD thesis. Université Lille 1, Nov. 17, 2017. 173 pp. URL: http://ori.univ-lille1.fr/notice/view/univ-lille1-ori-455595.

[8] Najib Idrissi. "Opérades et Structures Commutatives à Homotopie Près". In: *Grad. J. Math* 1.1 (2016), pp. 9–17. ISSN: 1737-0299. 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". Master's thesis. Université Paris Diderot, 2014.

Service

Since 10/2018	**One of the organizers of the Topology Seminar**, *Institut de Mathématiques de Jussieu-Paris Rive Gauche*, Paris, France.
2019	**Organization of a working seminar on homological stability**, *Institut de Mathématiques de Jussieu-Paris Rive Gauche*, Paris, France.
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 organizers of the PhD students' seminar**, *Laboratoire Paul Painlevé*, Lille, France.
ongoing	**Peer reviews**.
	Algebraic & Geometric Topology, Communications in Mathematical Physics, Letters in Mathematical Physics, Royal Society of Edinburgh: Proceedings A, Selecta Mathematica
ongoing	**Writing of abstracts for Zentralblatt MATH**.

Funding

Obtained

2019	Lead of an *Exploratory Project for First Support "Young Researcher"* (PEPS JCJC), CNRS / Insmi, 3500 €.
2015–2018	Specific doctoral contract "*normalien*", École Normale Supérieure de Paris.

Participation

2014–2015	Member of the ANR project "***H**omotopie algébrique, **O**pérades et groupes de **G**rothendieck–**T**eichmüller*" (coordinator: Benoit Fresse).

Research visits

06/2019* (5 d.)	ETH Zurich – Thomas Willwacher.
06/2018 (10 d.)	University of Regina – Don Stanley.
08/2017 (5 d.)	ETH Zurich – Thomas Willwacher.
01/2017 (5 d.)	Université catholique de Louvain – Pascal Lambrechts.
06/2016 (4 d.)	ETH Zurich – Thomas Willwacher.

Talks

Invited

05/2019*	**Higher Homotopy Algebras in Topology**, *MPIM*, Bonn, Germany.
01/2019	**Higher Structures**, *Centre international de rencontres mathématiques (CIRM)*, Luminy, France.
	Configuration spaces and operads
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 Côte d'Opale*, Calais, France.
	L'opérade Swiss-Cheese et le centre de Drinfeld

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

Contributed

07/2017   **Young Topologists Meeting 2017**, *Stockholm Universitet & KTH*, Stockholm, Sweden.
The Lambrechts–Stanley Model of Configuration Spaces

02/2017   **Conference for Young researchers in homotopy theory and categorical structures**, *MPIM*, Bonn, Germany.
The Lambrechts–Stanley Model of Configuration Spaces

10/2016   **2016 Meeting of the GDR Algebraic Topology and Applications**, *LAMFA*, Amiens, France.
The Lambrechts–Stanley Model of Configuration Spaces

Seminars

12/2018   **Stockholm Topology Seminar**, *Stockholm Universitet & KTH*, Stockholm, Sweden.
Configuration spaces and Operads

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**, *Laboratoire Paul Painlevé*, Lille, France.
	Opérades
12/2015	**PhD students' seminar**, *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

Teaching

2018–2019	Elementary Algebra and Analysis 1, L1 MIASHS (lecture+exercises, 72h); Elementary Algebra and Analysis 2, L1 Chemistry (exercises, 36h).
2017–2018	Calculus 1, L1 MASS (exercises, 36h); Fundamental mathematics 1, L1 SESI (oral exams & tutoring, 10h).
2016–2017	Matrix calculus, L2 econ-management (exercises, 36h); Calculus 1, L1 econ-management (exercises, 15h); Calculus 1, L1 MASS (exercises, 15h).
2015–2016	Fundamental mathematics 2, L1 SESI (exercises, 66h).

Conferences, workshops and thematic schools attended

06/2019[*]	SYM 10 Years Old @ Københavns Universitet.
05/2019[*]	Higher Homotopy Algebras in Topology @ MPIM Bonn.
01/2019	Higher Structures @ Centre international de rencontres mathématiques (CIRM, Luminy).
01/2019	Higher Structures in Holomorphic and Topological Field Theory @ Institut des Hautes Études Scientifiques.
10/2018	New trends in K-theory and homotopy theory – A conference in honor of Max Karoubi's 80th birthday @ Institut Henri Poincaré.
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.
05/2018	Graph Complexes, Configuration Spaces and Manifold Calculus @ University of British Columbia.
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.
09/2017	Journée des doctorants du Nord-Pas-de-Calais @ Université du Littoral Côte d'Opale.
07/2017	Workshop on Persistent Homology @ Université de Montpellier.
07/2017	Young Topologists Meeting 2017 @ Stockholm Universitet & KTH.
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.
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.
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).