Georg-Joachim Frenck

Curriculum Vitae

PERSONAL DATA

Place and Date of Birth: Kassel, Germany | 03 October 1990 Address: Allensteiner Straße 102, 48157 Münster, Germany

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EDUCATION

July 2019 (est.)	PhD in Mathematics, WWU, Münster.
September 2015	Master of Science, Mathematik, WWU, Münster, Grade: 1,1
	(with distinction).
July 2013	Bachelor of Science, Mathematik, WWU Münster, Grade: 1,7,
	Minor in Physics.
July 2009	Abitur, Otto-Hahn-Gymnasium, Saarbrücken, Grade: 1,3.

TEACHING AND ORGANISATION

Winter term $2018/19$	Lecture course "Differential equations", teaching assis-
	tent.
Winter term $2017/18$	Lecture course "Topology II", teaching assistent.
	Reading seminar on index theory, organiser.
Winter term $2016/17$	Lecture course "Topology I", teaching assistent
2012 - 2015	Tutorial assistent
	Weekly excercise sessions and sheet corrections for various
	courses in theoretical mathmatics, both undergraduate and
	graduate.

Conferences and schools attended

NOVEMBER 2018	Riemann Topology Meeting, Fribourg.
July 2018	Young Topologists Meeting, Kopenhagen.
	Talk on "Topology and Scalar curvature".
July 2016	Surgery and Geometry, Workshop, Banff.
	Talk on "Surgery and positive scalar curvature".
July 2016	Summer School on Surgery and Classification of Man-
	ifolds, Calgary.
July 2016	Young Topologists Meeting, Kopenhagen.

SEMINAR TALKS

WINTER TERM 2018/19	Seminar on algebraic K-theory
WINTER TERM 2010/19	Talk-title: "Whitehead-torsion".
	PhD-seminar
	Talk-title: "The action of the diffeomorphism group on the space of
	psc-metrics I & II".
Summer term 2018	Seminar on vector bundles and K -theory
SUMMER TERM 2016	Talk-title: "The Hopf-invariant 1-problem".
	PhD-seminar
Wayner mark 2017/10	Talk-title: "Surgery and positive scalar curvature I & II".
WINTER TERM $2017/18$	Seminar on Topology of 3-manifolds
G 201 -	Talk-title: "Uniqueness of Torus-decompositions I & II".
Summer term 2017	Seminar on L^2 -invariants
	Talk-title: "Triviality of L^2 -Betti numbers for amenable groups".
Winter term $2016/17$	Seminar on The theorem of Madsen-Weiss
	Talk-title: "Morse theory".
Summer term 2016	Oberseminar on the Farrel-Jones-conjecture
	Talk-title: "Algebraic K -theory".
WINTER TERM $2015/16$	Seminar on Characteristic classes
	Talk-title: "Construction of characteristic classes".
	Reading seminar on Spin geometry
	Talk-title: "The Gromov-Lawson surgery theorem II".
Summer term 2015	Seminar on Classical homotopy theory
	Talk-title: "Rational homotopy theory".
Winter term $2014/15$	Seminar on Index theory and positive scalar curvature
·	Talk-title: "The Gromov-Lawson surgery theorem."
Summer term 2014	Seminar on The h-cobordism theorem and exotic spheres
	Talk-title: "The Whitney-trick".
WINTER TERM 2013/14	Seminar on Topological methods in group theory
,	Talk-title: "Grushko's theorem".

Languages

GERMAN: Mother-tongue

 ${\bf English:} \quad {\bf Fluent}$

Education partially in English

French: Good

 $6~{\rm Years}$ in School

Japanese: Basic