Curriculum vitae of Daniel Skodlerack
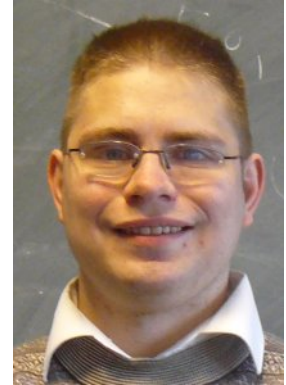
IMS, ShanghaiTech University

dskodlerack@shanghaitech.edu.cn

Personal data

Address	Institute of Mathematical Sciences, ShanghaiTech University, 393 Middle Huaxia Road, Pudong, Shanghai 201210 China
Birth	26.03.1978 in Berlin
Nationality	German

Education

05/1997	University-entrance diploma "Abitur" received at secondary school "Stauffenberg Gymnasium" in Berlin
10/1997–12/2005	Diploma studies at Humboldt University Berlin in Mathematics (minor: Informatics) certificate: German diploma (1.2)
10/2001–06/2002	One academic year at Imperial College London, certificate: ICID international diploma
01/2006–09/2010	Ph.D. (defence 29.06.2010) supervisor Prof. E.-W. Zink, Humboldt University Berlin, Thesis: Embedding types and canonical affine maps between Bruhat-Tits buildings of classical groups

Grants

2021-2024	Shanghai 2021 'Science and Technology Innovation Action Plan' Natural Science Foundation Project: grant topic 1: "Explicit local Langlands Correspondence using endo-parameters", document is attached

Memberships

01/2006–12/2008	Research training group "Arithmetic and Geometry" including two research stays in Zürich, one at ETH and Zürich University
01/2007–12/2008	Berlin Mathematical School in phase II

Work

09/1997–09/2005	Student assistant at Humboldt University for several years. The areas were algebra, number theory, statistics and probability theory. All with a high marking and teaching load, except for the statistics position which was a software project.
01/2009–03/2009	Casual position at the University of East Anglia
04/2009–09/2010	Scientific assistant at Humboldt University in the representation theory group of Prof. E.W. Zink

10/2010–03/2014	Research associate at University of Muenster in the geometric group theory group of Prof. L. Kramer.
04/2014–03/2015	Senior research associate at UEA Norwich in the representation theory group of Prof. Shaun Stevens.
04/2015–10/2018	Visiting researcher, voluntary appointment at UEA Norwich in the representation theory group of Prof. Shaun Stevens.
11/2015–10/2016	Research associate at Imperial College London, line manager Dr. David Helm.
04/2017–09/2017	Junior professorship at Humboldt University Berlin.
07/2018–08/2018	Temporary position as Research Associate at University of East Anglia
10/2018–10/2020	Postdoc position at Institute of Mathematical Sciences, ShanghaiTech University, China
11/2020–now	Associate Professor at Shanghaitech University, Shanghai China

Work, non-academic

10/2007–04/2008	Internship at the Federal State bank of Berlin for the maintenance and improvement of valuation algorithms in the financial library.

Teaching, incomplete

Spring 1999	Linear algebra II, Compulsory exercise sessions, HU Berlin
Autumn 2009	Linear algebra I, Exercise sessions, Lecturer Prof. Große-Klönne, HU Berlin
Spring 2010	Linear algebra II, Exercise sessions, Lecturer Prof. Große-Klönne, HU Berlin
Spring 2011	Lecture Group theory, Assistant, Lecturer Prof. Kramer, Muenster
Autumn 2011	Quasi-conformal geometry, Seminar, joint with Prof. Lohkamp, Muenster
Autumn 2012	Lecture Spaces of non-positive curvature, Assistant, Prof. Kramer, Muenster
Spring 2013	Integers of quadratic number fields, Seminar, joint with PD Dr. K. Halupczok
Autumn 2013	Trees, Seminar, joint with Prof. Lohkamp, Muenster
Autumn 2013	Differential geometry I, Exercise sessions, Lecturer Prof. Lohkamp, Muenster
Spring 2017	Number Theory and their didactics, Lecture and Exercise sessions, HU Berlin
Spring 2017	p-adic representation theory, Lecture and Exercise sessions, HU Berlin
Spring 2019	Teaching Assistant, Mathematical Analysis II, ShanghaiTech University
Autumn 2019	Recitation classes for Mathematical Analysis I, ShanghaiTech University
Spring 2021	Lecture Abstract Algebra, ShanghaiTech University

Research Visits

03/2009, 10/2012	Research stays at Poitiers University, supervised by Dr. P. Broussous
01-3/09, 07-8/19	Research stay in Norwich at the University of East Anglia, supervised by Prof. S. Stevens

Talks

10/2006	"Über eine geometrische Möglichkeit Einbettungsinvarianten zu bestimmen", HU Berlin

05/2007	"Gebäude für klassische Gruppen", HU Berlin
06/2008	"Embeddings of local fields in simple algebras and simplicial structures on the Bruhat-Tits building", summer school "Arithmetic Geometry and Tropical Geometry", Alpbach, Austria
03/2009	"Affine Maps between buildings and classical groups ", UEA Norwich and Poitiers University
09/2009	"Canonical maps between Bruhat-Tits buildings of classical groups", Workshop in remembrance of Martin Grabitz, HU Berlin
07/2010	"A canonical embedding of a centralizer in a classical group in terms of affine buildings" University of Muenster
11/2010	"Embedding types and barycentric coordinates", University of Muenster
07/2012	"On intertwining implies conjugacy for classical groups", HU-Berlin,
10/2012	"Geometric interpretation of intertwining and conjugacy of simple types", Buildings 2012, Muenster
10/2012	"On intertwining implies conjugacy for classical groups", Poitiers University,
04/2013	"Klassische Broussous-Grabitz-Typen und Gebäude von Zentralisatoren", HU-Berlin
06/2013	"On Intertwining implies Conjugacy for p-adic classical groups", University of Muenster
02/2014	"Actions of Burnside-groups on affine buildings", University of Muenster
07/2014	"The trace map between Witt groups", University of Muenster
10/2014	"Stabilizers in the building of a classical group", Buildings 2014, University of Muenster
07/2015	"Skolem-Noether and representation theory of classical p-adic groups", Heilbronn Number Theory, University of Bristol
12/2015	"Cuspidal representations for inner forms of classical groups", Imperial College London
04/2016	"Endo-classes for inner forms of p-adic classical groups", University of Bristol
06/2016	"Endo-classes for classical groups", University of Poitiers
08/2016	"Modelling in international health care", Hubei University of Medicine, Shiyan, China.
12/2016	"Endo-classes for classical groups", University of Szczecin, Poland.
04-05/2017	"Endo-classes for classical groups", Humboldt University Berlin
11/2017	"Cuspidal representations of p-adic classical groups and semisimple characters", University of East Anglia, United Kingdom
11/2018	"Cuspidal representations of p-adic classical groups", ShanghaiTech University, China
12/2018	"Cuspidal representations of p-adic classical groups", Jiaotong University, China
04/2019	"Semisimple Characters", ShanghaiTech University, China
11/2019	"Cuspidal representations of quaternionic forms of p-adic classical groups", ShanghaiTech University, China

07/2020	"Endo-parameters of p-adic classical groups", ShanghaiTech University, China
03/2021	"Endo-parameters of p-adic classical groups", East China Normal University, Shanghai, China
05/2021	"Endo-parameters of p-adic classical groups", Versailles Seminar, Versailles, France
06/2021	"Endo-parameters for quaternionic forms of p-adic classical groups", Jiao Tong University, Shanghai China
06/2021	"Endo-parameters of p-adic classical groups", Nankai University, Tianjin, China

Conferences

09/2006	Summer school for the research training group, Pleinfeld, Bavaria, topics: "hyperbolic spaces, Q-curvature, symplectic geometry"
03/2007	Annual conference of DMV and GMD, HU Berlin
04/2007	Number Theory Days, EPFL Lausanne, Switzerland
09/2007	Sato-Tate Conjecture, Diophantine Geometry, Tropical Geometry, Alpbach, Austria
01/2008	Buildings: Interactions with Algebra and Geometry, Oberwolfach
04/2008	Number Theory Days, ETH Zürich, Switzerland
06/2008	Arithmetic Geometry and Tropical Geometry, Alpbach, Austria
07/2008	Workshop on "Symplectic Field Theory", part III, HU Berlin
08/2008	Affine Buildings, Muenster
05/2009	Leopoldina-Symposium in Algebraic and Arithmetic Algebraic Geometry, Monte Verita, Ascona, Switzerland
09/2009	Workshop in remembrance of Martin Grabitz, HU Berlin
07/2010	Workshop for 65th birthday of Prof. E.-W. Zink, HU Berlin
03/2011	Winter-spring school "Invariants and Moduli", Augsburg
05/2012	Johann Von Neumann conference, Muenster
06/2012	Summer school "Topology and Groups 2012", FU Berlin
10/2012	Colloquium on Helmut Koch's 80th birthday, HU Berlin
06/2013	Mini-Workshop on locally analytic representations and some applications, Amsterdam
07/2014	Cube complexes and groups, Copenhagen
10/2014	Buildings conference 2014, Muenster
01/2015	Winter Meeting on Bruhat-Tits buildings, Imperial College London
03/2015	Meeting on Expander Graphs, KIT Karlsruhe
01/2016	Workshop on Categorification and p-adic groups, UEA Norwich
03-04/2016	Algebraisation and Geometrisation in the Langlands Programme, Heilbronn Institute for Mathematical Research, University of Bristol
04/2018	New Developments in Automorphic Forms, Seville

| 11/2019 | ShanghaiTech Yonsei Mathematics Conference, Shanghai |
| 06/2021 | Workshop on Representation Theory of reductive groups, Jiao Tong University, Shanghai |

Further particulars

I am personally supervising a maths major student at ShanghaiTech University, am heavily engaged in the Maths club at this University, and I promoted for ShanghaiTech University at Zhejiang province.

More Skills   German (native speaker), English (fluently), French (basics), Chinese (beginner level, I really like to learn Chinese)

Linux, LateX, C++, etc.

Further interests

dancing, chess, playing piano, economy, stocks, backstroke

Shanghai, 1. September 2021

Subject: Fwd: 上海市科学技术委员会资源保障与管理处--项目经费拨付通知
From: Daniel Skodlerack <d.skodlerack@uea.ac.uk>
Date: 01/09/2021, 15:23
To: Daniel Skodlerack <dskodlerack@shanghaitech.edu.cn>

Sent from my iPhone

Sent from my iPhone

Begin forwarded message:

From: stis@stcsm.sh.gov.cn
Date: July 26, 2021 at 13:45:39 GMT+8
To: dskodlerack@shanghaitech.edu.cn
Cc: research@shanghaitech.edu.cn, finance@shanghaitech.edu.cn
Subject: 上海市科学技术委员会资源保障与管理处--项目经费拨付通知

上海科技 　　项目经费拨付通知

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计划类别：自然科学基金

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合同编号	金额（元）	承担单位	项目名称	项目负责人
21ZR1441900	200,000.00	上海科技大学	使用 endo－参数探索局部 Langlands 对应	Skodlerack Daniel

备注：

上海市科学技术委员会资源保障与管理处
2021/6/18

List of publications of Daniel Skodlerack

German Diploma thesis

[Sko05] D. Skodlerack, *Beschreibung affiner Gebäude und der Übergang zu Zentralisatoren*, Diplomarbeit HU-Berlin (2005).

Ph.D. thesis

[Sko10] D. Skodlerack, *Embedding types and canonical affine maps between Bruhat-Tits buildings of classical groups*, edoc.hu-berlin.de /dissertationen/skodlerack-daniel-2010-06-29 (2010).

Articles

[KSS21] R. Kurinczuk, D. Skodlerack, and S. Stevens, *Endo-parameters for p-adic classical groups*, Invent. Math. **223** (2021), no. 2, 597–723. MR 4209861

[Sko13] Daniel Skodlerack, *The centralizer of a classical group and Bruhat-Tits buildings*, Ann. Inst. Fourier (Grenoble) **63** (2013), no. 2, 515–546. MR 3112840

[Sko14a] _____, *Embeddings of local fields in simple algebras and simplicial structures*, Publ. Mat. **58** (2014), no. 2, 499–516. MR 3264509

[Sko14b] _____, *Field embeddings which are conjugate under a p-adic classical group*, Manuscripta Math. **144** (2014), no. 1-2, 277–301. MR 3193777

[Sko20] _____, *Semisimple characters for inner forms II: Quaternionic forms of p-adic classical groups (p odd)*, Represent. Theory **24** (2020), 323–359. MR 4128451

[SS20] Daniel Skodlerack and Shaun Stevens, *Intertwining semisimple characters for p-adic classical groups*, Nagoya Math. J. **238** (2020), 137–205. MR 4092850

In Press

[Sko21] D. Skodlerack, *Semisimple characters for inner forms I: $GL_m(D)$*, arxiv:1703.04904, To appear in Algebra and Representation Theory (2021), 1–43.

Preprints

[Sko20] D. Skodlerack, *Cuspidal irreducible complex or l-modular representations of quaternionic forms of p-adic classical groups for odd p*, arxiv:1907.02922 (2020), 1–48.