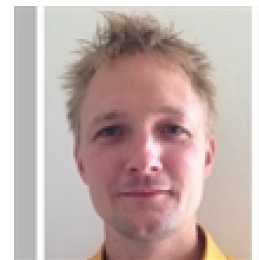


Jens Kaad
Institut for Matematik og Datalogi
Matematik
E-mail: kaad@imada.sdu.dk



Ansættelse

Lektor

Institut for Matematik og Datalogi
Syddansk Universitet
Odense M
1. feb. 2016 → present

Lektor

Matematik
Syddansk Universitet
Odense M
1. feb. 2016 → present

Legater

DFF-Research Project 1, Three years research grant, Principal Investigator: David Kyed, Project: *Classical and Quantum Distances*. September 2019-September 2022.

DFF-Research Project 2, Four years research grant, Principal Investigator: Wojciech Szymanski, Project: *Automorphisms and Invariants of Operator Algebras*. August 2017-August 2021.

Carlsberg Foundation, One year research stipend for Paris VII, Project: *Controlled K-homology*. September 2011-September 2012.

Publikationer

On a theorem of Kucerovsky for half-closed chains

Kaad, J. & Van Suijlekom, W. D., jun. 2019, I : Journal of Operator Theory. 82, 1, s. 115-145 31 s.

Canonical holomorphic sections of determinant line bundles

Kaad, J. & Nest, R., 2019, I : Journal für die reine und angewandte Mathematik. 746, s. 67-116 50 s.

The Podleś sphere as a spectral metric space

Aguilar, K. & Kaad, J., nov. 2018, I : Journal of Geometry and Physics. 133, s. 260-278

Algebraic K-theory and a semifinite Fuglede-Kadison determinant

Hochs, P., Kaad, J. & Schemaitat, A., mar. 2018, I : Annals of K-Theory. 3, 2, s. 193-206

Riemannian submersions and factorization of Dirac operators

Kaad, J. & van Suijlekom, W. D., 1. jan. 2018, I : Journal of Noncommutative Geometry. 12, 3, s. 1133-1159 27 s.

Factorization of Dirac operators on toric noncommutative manifolds

Kaad, J. & van Suijlekom, W. D., 2018, I : Journal of Geometry and Physics. 132, s. 282-300

On the Global Limiting Absorption Principle for Massless Dirac Operators

Carey, A., Gesztesy, F., Kaad, J., Levitina, G., Nichols, R., Potapov, D. & Sukochev, F., 2018, I : Annales Henri Poincare. 19, 7, s. 1993-2019

Operator *-correspondences in analysis and geometry

Blecher, D., Kaad, J. & Mesland, B., 2018, I : Proceedings of the London Mathematical Society. 117, 2, s. 303-344

Corrigendum to "A local global principle for regular operators in Hilbert C-modules" [J. Funct. Anal. 262 (10) (2012) 4540–4569]

Kaad, J. & Lesch, M., 2017, I : Journal of Functional Analysis. 272, 10, s. 4403-4406

Differentiable absorption of Hilbert C*-modules, connections and lifts of unbounded operators

Kaad, J., 2017, I : Journal of Noncommutative Geometry. 11, 3, s. 1037-1068

Topological invariance of the homological index

Carey, A. & Kaad, J., 2017, I : Journal fuer die Reine und Angewandte Mathematik. 2017, 729, s. 229-261

On a spectral flow formula for the homological index

Carey, A., Grosse, H. & Kaad, J., 2016, I : Advances in Mathematics. 289, s. 1106-1156

Pimsner algebras and Gysin sequences from principal circle actions

Arici, F., Kaad, J. & Landi, G., 2016, I : Journal of Noncommutative Geometry. 10, 1, s. 29-64

A transformation rule for the index of commuting operators

Kaad, J. & Nest, R., 2015, I : Journal of Noncommutative Geometry. 9, 1, s. 83-119

Anomalies of Dirac type operators on Euclidean space

Carey, A., Grosse, H. & Kaad, J., 2015, I : Communications in Mathematical Physics. 335, 1, s. 445-475

A Serre-Swan theorem for bundles of bounded geometry

Kaad, J., 2013, I : Journal of Functional Analysis. 265, 10, s. 2465-2499 35 s.

Spectral flow and the unbounded Kasparov product

Kaad, J. & Lesch, M., 2013, I : Advances in Mathematics. 248, s. 495-530 36 s.

A local global principle for regular operators in Hilbert C*- modules

Kaad, J. & Lesch, M., 2012, I : Journal of Functional Analysis. 262, 10, s. 4540-4569 30 s.

A twisted spectral triple for quantum SU(2)

Kaad, J. & Senior, R., 2012, I : Journal of Geometry and Physics. 62, 4, s. 731-739

Joint torsion of several commuting operators

Kaad, J., 2012, I : Advances in Mathematics. 229, 1, s. 442-486

KK-theory and spectral flow in von Neumann algebras

Kaad, J., Nest, R. & Rennie, A., 2012, I : Journal of K-Theory. 10, 2, s. 241-277

A calculation of the multiplicative character

Kaad, J., 2011, I : Journal of Noncommutative Geometry. 5, 3, s. 351-385

Comparison of secondary invariants of algebraic KK-theory

Kaad, J., 2011, I : Journal of K-Theory. 8, 1, s. 169-182

Organisering af workshops og konferencer

Mathematisches Forschungsinstitut Oberwolfach, Germany, Mini-Workshop: *Operator spaces and Noncommutative geometry in interaction*, February 2016.

Radboud University Nijmegen, The Netherlands, Workshop: *KK-days*, April 2015 and November 2015.

Præsentationer (2016-2019)

- Operator algebra seminar, *University of Southern Denmark, Odense*, March 2019.
- SFB-lecture, *Higher-Invariants*, *Universität Regensburg, Regensburg*, January 2019.
- Masterclass on *Bivariant K-theory in Geometry and Physics*, *Erwin Schrödinger Institute, Vienna*, November 2018.
- QGM Seminar, *Center for Quantum Geometry of Moduli Spaces, Aarhus*, September 2018.
- Workshop on *Noncommutative Geometry*, *Index Theory and Mathematical Physics*, *Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach*, July 2018.
- *27th International Conference on Operator Theory*, *Institute of Mathematics Simion Stoilow of the Romanian Academy, Timisoara*, June 2018.
- Workshop on *Secondary and delocalized index invariants*, *University of Copenhagen, Copenhagen*, June 2018.
- Colloquium on *Geometry and Quantum Theory*, *Utrecht University, Nijmegen*, May 2018.
- Danish Operator Algebra Symposium, *University of Southern Denmark, Odense*, May 2018.
- Conference on *New Geometry of Quantum Dynamics*, *Banach center, Warsaw*, January 2018.
- Oberseminar "Global Analysis and Operator Algebras", *University of Bonn, Bonn*, January 2018.
- Séminaire d'Algèbres d'Opérateurs, *Institut de Mathématiques de Jussieu, Université de Paris VII*, October 2017.
- Operator algebra seminar, *University of Southern Denmark, Odense*, October 2017.
- Workshop on *Analysis, Noncommutative Geometry, Operator Algebras*, *Chalmers, Gothenburg*, May 2017.
- Great Plains Operator Theory Symposium (GPOTS), *Texas Christian University, Fort Worth*, May 2017.
- Workshop on *KK-theory, Gauge theory and Topological phases*, *Lorentz center, Leiden*, March 2017.
- Operator algebra seminar, *University of Southern Denmark, Odense*, November 2016.
- Conference on *Noncommutative Index Theory*, *Banach center, Warsaw*, October 2016.
- Masterclass in sums of selfadjoint operators: *Kasparov products and applications*, *University of Copenhagen, Copenhagen*, July 2016.
- Workshop on *Spectral Triples in Noncommutative Geometry*, *Villa Toeplitz, Varese*, May 2016.
- Conference on *Gauge Theory and Noncommutative Geometry*, *Radboud university, Nijmegen*, April 2016.
- Quantum gravity seminar, *Radboud University, Nijmegen*, January 2016.