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CURRICULUM VITAE OF
KEVIN AGUYAR BRIX

PERSONAL INFORMATION:

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EMPLOYMENT AND AFFILIATION:

Mar 2022 – present:	*DFF-international Postdoc*, University of Glasgow, United Kingdom Funded by Independent Research Fund Denmark;
Mar 2021 – Feb 2022:	*Carlsberg fellow (Postdoc)*, University of Glasgow, United Kingdom Funded by a Carlsberg Foundation Internationalisation Fellowship;
Feb 2020 – Feb 2021:	*Carlsberg fellow (Postdoc)*, University of Wollongong, Australia Funded by a Carlsberg Foundation Internationalisation Fellowship;
Sep 2019 – Jan 2020:	*External lecturer*, University of Copenhagen, Denmark Temporary teaching position.

RESEARCH GRANTS:

2024–2028:	*Starting Grant*, Swedish Research Council, (4000000 SEK), 16 % success rate.
Mar 2022 – Mar 2024:	*International postdoctoral grant*, Independent Research Fund Denmark, Hosted by University of Glasgow, United Kingdom (1303000 DKK), 14% success rate.
Mar 2021 – Mar 2022:	*Carlsberg Foundation Internationalisation Fellowship*, Hosted by University of Glasgow, United Kingdom (410727 DKK).
Feb 2020 – Feb 2021:	*Carlsberg Foundation Internationalisation Fellowship*, Hosted by University of Wollongong, Australia (350000 DKK).

EDUCATION:

Sep 2019:	Doctor of philosophy in Mathematics, University of Copenhagen Title: *Topological dynamics, groupoids and C*-algebras*, Supervisor: Professor Søren Eilers;
May 2016:	Master of Science in Mathematics, University of Copenhagen;
Feb 2014:	Bachelor of Science in Mathematics, University of Copenhagen.

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PUBLICATIONS AND (SUBMITTED) PREPRINTS:
Authors are listed alphabetically. Authors with an asterisk * were undergraduate students when paper was written.

- **K.A. Brix**, A. Mundey, and A. Rennie: *Morphisms of Cuntz–Pimsner algebras from completely positive maps*, (arXiv:2311.16600).

- **K.A. Brix**, C. Bruce, and A. Dor-On: *Normal coactions extend to the C*-envelope*, (arxiv:2309.04817).

- **K.A. Brix**, A. Mundey, and A. Rennie: *Splittings for C*-correspondences and strong shift equivalence*, (arXiv:2305.01917).

- **K.A. Brix**, T.M. Carlsen, and A. Sims: *Ideal structure of C*-algebras of commuting local homeomorphisms*, (arXiv:2303.02313).

- **K.A. Brix**: *Invertible and noninvertible symbolic dynamics and their C*-algebras*, Contemporary Mathematics AMS, to appear.

- **K.A. Brix** and Pete Gautam*: *On strong shift equivalence for row-finite graphs and C*-algebras*, Involve, a Journal of Mathematics, to appear. (arXiv:2212.05481).

- **K.A. Brix**, Toke Meier Carlsen, and Aidan Sims: *Some results regarding the ideal structure of C*-algebras of étale groupoids*, (arXiv:2211.06126).

- **K.A. Brix**: *Sturmian subshifts and their C*-algebras*, Journal of Operator Theory **90** (2023), 523–544.

- B. Armstrong, **K.A. Brix**, T.M. Carlsen, and S. Eilers: *Conjugacy of local homeomorphisms via groupoids and C*-algebras*, Ergodic Theory and Dynamical Systems **43** (2023), 2516–2537.

- **K.A. Brix**: *Balanced strong shift equivalence, balanced in-split, and eventual conjugacy*, Ergodic Theory and Dynamical Systems (2020), doi:10.1017/etds.2020.126.

- **K.A. Brix** and T.M. Carlsen: *C*-algebras, groupoids and covers of shift spaces*, Transactions of the American Mathematical Society, Series B **7** (2020), 134–185.

- **K.A. Brix** and E. Scarparo: *C*-simplicity and representations of topological full groups of groupoids*, Journal of Functional Analysis **227** (2019), no. 9, 2981–2996.

- **K.A. Brix** and T.M. Carlsen: *Cuntz-Krieger algebras and one-sided conjugacy of shifts of finite type and their groupoids*, Journal of the Australian Mathematical Society **109** (2020), no. 3, 289–298.

SELECTED RESEARCH VISITS:

Mar 2024:	(planned) Oberwolfach (*Combinatorial *-algebras*), Germany.
Sep–Oct 2023:	Fields institute, Canada.
Jun–Jul 2019:	Visiting Aidan Sims, University of Wollongong, Australia.
Oct 2018:	Visiting Eduard Ortega, NTNU, Norway.
Nov 2017–Feb 2018:	Visiting Aidan Sims, University of Wollongong, Australia.
Mar 2017:	CRM, Universitat Autonoma de Barcelona, Spain.

OTHER GRANTS:

2022	London Mathematical Society, Scheme 2 (£1500) To support Ruy Exel's visit to University of Glasgow (with Chris Bruce and Eduardo Scarparo).
2022	London Mathematical Society (£900), Undergraduate Research Bursary (URB-2022-42) To support summer research project with student Pete Gautam.
2022	Glasgow Mathematical Journal Trust (£3000) To support international workshop in Glasgow, I was the named applicant (with Chris Bruce, Xin Li, and Alistair Miller).
2022	Edinburgh Mathematical Society (£1500) To support international workshop in Glasgow (with Chris Bruce, Xin Li, and Alistair Miller).
2022	London Mathematical Society, Scheme 6 Workshop Grant (£3600) To support international workshop in Glasgow (with Chris Bruce, Xin Li, and Alistair Miller).
2021	Julie Damms Studiefond (5000 DKK).

INVITED TALKS:

Jul 2023:	Foundations of Physics 2023, Bristol, England.
Jul 2023:	Graph algebras 2023 conference, Bedlewo, Poland.
Jun 2023:	Algebra, Geometry and C*-algebras, ICMS, Edinburgh, Scotland.
May 2023:	Seminar, University of Southern Denmark, Denmark.
Apr 2023:	Seminar, Lund University, Sweden.
Apr 2023:	Analysis and Probability seminar, University of Gothenburg, Sweden.
Dec 2022:	GAPT seminar, University of Cardiff, Wales.
Nov 2022:	Mathematical Sciences Research Centre, Queen's University Belfast, Northern Ireland.
Oct 2022:	Groups and operator algebras seminar, University of Copenhagen, Denmark.
Jun 2022:	Analysis seminar, University of Oxford, England.
May 2022:	Operator Algebra and Noncommutative Geometry seminar (virtual), University of Wollongong, Australia.
May 2022:	AMS Sectional Meeting (virtual), United States.

Mar 2022:	Aberdeen Algebra Seminar, University of Aberdeen, Scotland.
Mar 2022:	Operator Algebra Seminar, University of Southern Denmark, Denmark.
Sep 2021:	Seminar, Research Center for Operator Algebras (virtual), East China Normal University, China.
Sep 2021:	New York Noncommutative Geometry Seminar (virtual),
Apr 2021:	Operator Algebra and Noncommutative Geometry seminar (virtual), University of Wollongong, Australia.
Mar 2021:	United Kingdom Operator Algebras seminar (virtual), United Kingdom.
Feb 2021:	Operator Algebras seminar (virtual), Copenhagen/Odense, Denmark.
Jun 2020:	Abend seminar (virtual), University of Western Sydney, Australia.
Nov 2019:	Seminar, Queen Mary University, London, England.
Nov 2019:	Oberseminar, WWU Münster, Germany.
Oct 2019:	Analysis seminar, KU Leuven, Belgium.
Jan 2019:	Analysis seminar, University of Glasgow, Scotland.
Dec 2018:	Danish Operator Algebra Seminar, University of Southern Denmark, Denmark.
Jun 2018:	Workshop in operator algebras and dynamics, University of the Faroe Islands, the Faroe Islands.
Feb 2018:	Operator Algebra and Noncommutative Geometry seminar, University of Wollongong, Australia.
Jan 2018:	Seminar, University of Western Sydney, Australia.
May 2017:	CRM, Universitat Autónoma de Barcelona, Spain.
Sep 2016:	PhD seminar, University of Copenhagen, Denmark.