Kevin Aguyar Brix, PhD
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CURRICULUM VITAE OF
KEVIN AGUYAR BRIX

PERSONAL INFORMATION:

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           University of Southern Denmark,
           5230 Odense, Denmark

EMPLOYMENT AND AFFILIATION:

Aug 2024:   **Assistant professor**, University of Southern Denmark, Denmark.
Mar 2024 – Aug 2024:   **Postdoc**, Lund University, Sweden
                       Funded by Starting Grant from Swedish Research Council.
Mar 2022 – Mar 2024:   **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 AND FELLOWSHIPS:

2024–2026:   **Reintegration Fellowship**, Carlsberg Foundation (1397000 DKK)
                       University of Southern Denmark, Denmark.
2024:   **Starting Grant**, Swedish Research Council, (4000000 SEK),
                       16 % success rate.
                       Lund University, Sweden.
2025–2027:   **Marie Curie** postdoctoral fellowship (214,934.4 EURO)
                       15.8% success rate, 2.15 % in mathematics.
                       University of Copenhagen, Denmark.
2022 – 2024:   **International postdoc**, Independent Research Fund Denmark,
                       14% success rate.
                       University of Glasgow, United Kingdom (1303000 DKK),
2021 – 2022:   **Internationalisation Fellowship**, Carlsberg Foundation
                       University of Glasgow, United Kingdom (410727 DKK).
2020 – 2021:   **Internationalisation Fellowship**, Carlsberg Foundation
                       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.

PUBLICATIONS AND (SUBMITTED) PREPRINTS:

Authors are listed alphabetically. Authors with an asterisk * were undergraduate students when paper was written.

- **K.A. Brix**, Chris Bruce, Kang Li, and Eduardo Scarparo: *Maximal ideals in reduced group C*-algebras and Thompson's groups*, (arXiv:2403.13645).

- **K.A. Brix**, A. Mundey, and A. Rennie: *Morphisms of Cuntz–Pimsner algebras from completely positive maps*, Journal of the Australian Mathematical Society (special edition in honour of Iain Raeburn), to appear.

- **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*, Mathematica Scandinavica 130 (2024), 101–148.

- **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*, in: Advances in Functional Analysis and Operator Theory, Contemporary Mathematics AMS, Volume: 798 (2024).

- **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*, Journal of the London Mathematical Society, https://doi.org/10.1112/jlms.12870, 2024.

- **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.

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- **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.