

Søren Gammelgaard

Holywell Manor, Manor Road, Oxford OX1 3UH, United Kingdom
gammelgaard@maths.ox.ac.uk • +44 (0) 759 109 4045

EDUCATION

University of Oxford, Oxford, United Kingdom

- DPhil in Mathematics Oct 2018 – Jul 2022
 - Thesis: Nakajima Quiver Varieties and Moduli Spaces of Sheaves on Singular Varieties
 - Supervisor: Professor Balázs Szendrői
 - Focus: Quiver varieties, singular surfaces, moduli spaces.

University of Oslo, Oslo, Norway

- MSc in Mathematics Aug 2016 – Jun 2018
 - Thesis: Cubic hypersurfaces, their Fano schemes, and special subvarieties
 - Supervisor: Professor John Christian Ottem
 - Focus: Cubic hypersurfaces, Fano schemes, Chow rings.
 - Grade awarded: A.
- BSc in Mathematics Aug 2014 – Jun 2016
 - Average grade: A.

CONFERENCES AND EXTERNAL TALKS

GAELXXVII, Bucharest, Jun 2019

- Presented a poster about my work on Hilbert schemes of singular surfaces.

UCL/KCL Junior Geometry Seminar London, Jan 2022

- I gave a talk about my work on moduli spaces attached to Kleinian singularities.

Symplectic singularities in geometry and representation theory, CIRM, Marseille, Apr 2022

- I will give a talk about my work on moduli spaces attached to Kleinian singularities.

PUBLICATIONS

- [1] A. Craw, S. Gammelgaard, Á. Gyenge, and B. Szendrői, “Punctual Hilbert schemes for Kleinian singularities as quiver varieties,” *Algebraic Geometry*, vol. 8, issue 6, pp. 680–704, Nov 2021. Available [here](#).
- [2] A. Craw, S. Gammelgaard, Á. Gyenge, and B. Szendrői, “Quot Schemes for Kleinian Orbifolds,” *SIGMA (Symmetry, Integrability and Geometry: Methods and Applications)*, vol. 17, no. 099, Nov 2021. Available [here](#).

SCHOLARSHIP

- Aker Scholarship (akerscholarship.no), 2018 – 2022
Scholarship with stipend for advanced graduate studies at a top international university.

WORK EXPERIENCE

University of Oxford, Oxford, United Kingdom

- Several positions as Teaching Assistant and Tutor. Oct 2018 – Present

St Peter’s College, University of Oxford, Oxford, United Kingdom

- Tutor in Topology. Jan 2020 – Mar 2020

Department of Mathematics, University of Oslo, Oslo, Norway

- Several positions as Teaching Assistant. Jan 2016 – Dec 2017

Sommerskolen Oslo (Oslo Summer School), Oslo, Norway

- Taught mathematics at a summer school for high school students. 2016 – 2018

OTHER ACTIVITIES

Taruithorn, the Oxford Tolkien Society, University of Oxford

- Secretary Jan 2021 – Feb 2022
 - Responsible for handling correspondence, booking external speakers, administrative work.

Balliol College Middle Common Room, University of Oxford

- Secretary Jun 2019– Jun 2020
 - Responsibility for scheduling meetings, taking minutes, setting agendas, and handling external correspondence.

Matematisk Ordliste (Mathematical Wordlist), University of Oslo, University of Agder, Norwegian University of Science and Technology, Norwegian Language Council,

- Lexicography relating to algebraic geometry May 2019
 - I documented and suggested about 250 Norwegian translations of English scientific terms from algebraic geometry and adjacent fields of mathematics.

LANGUAGES	<ul style="list-style-type: none"> ▪ Norwegian, Danish: Native languages. ▪ English: Fluent (speaking, reading, writing). ▪ French: Advanced (reading); basic (speaking, writing). ▪ Swedish: Advanced (reading); basic (speaking, writing). ▪ Japanese: Basic (reading, speaking, writing).
DIGITAL SKILLS	L ^A T _E X, Macaulay2, MATLAB, Python, Java, Microsoft Office, Ubuntu.
INTERESTS	Linguistics, cross-country skiing, fantasy literature, swimming.
OTHER INFORMATION	Contestant for Norway at the 2014 International Mathematical Olympiad. Danish citizen.
REFERENCES	<ul style="list-style-type: none"> ▪ Professor Balázs Szendrői Professor of Mathematics Mathematical Institute, University of Oxford Andrew Wiles Building, Radcliffe Observatory Quarter (550) Woodstock Road, Oxford OX2 6GG, United Kingdom szendroi@maths.ox.ac.uk • +44 1865 273570 ▪ Alastair Crow Reader in the Department of Mathematical Sciences University of Bath Department of Mathematical Sciences, University of Bath, Claverton Down, Bath BA2 7AY, United Kingdom. a.crow@bath.ac.uk • +44 (0) 1225 385327

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