

Dr Sebastian Knauer
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DR SEBASTIAN KNAUER – SHORT CURRICULUM VITAE

ABOUT ME

I am an international experienced researcher, who has worked in groups around the globe, including Germany, the United Kingdom, Australia and Austria. I have gained strong knowledge as researcher in the fields of quantum optics/photonics, quantum electronics and quantum magnonics, which lead to multiple high impact publications. My mayor fields of research include quantum optics, quantum electronics and quantum magnonics in nanoscale devices, with particular interest in hybrid quantum systems. Currently I'm holding a senior faculty postdoctoral position at the world-renowned University of Vienna, perfectly place to work across quantum platforms. Additionally to my research interest, I'm very motivated to educate the next generation of future quantum researchers.

EDUCATION AND EXPERIENCE

SENIOR FACULTY POSTDOCTORAL RESEARCHER, UNIVERSITY VIENNA, FACULTY OF PHYSICS, AUSTRIA (FACULTY FUNDED). GROUP OF PROF. ANDRII CHUMAK.

03/2020 – present

POSTDOCTORAL RESEARCH FELLOW AT CENTRE FOR QUANTUM COMPUTATION AND COMMUNICATION TECHNOLOGY (CQC2T), UNIVERSITY OF NEW SOUTH WALES, AUSTRALIA (ARO AND ARC FUNDED). GROUP OF PROF. M. SIMMONS.

01/2018 –01/2020

POSTDOCTORAL SENIOR RESEARCH ASSOCIATE AT UNIVERSITY OF BRISTOL, FACULTY OF ELECTRICAL AND ELECTRONIC ENGINEERING AND SCHOOL OF PHYSICS, UNITED KINGDOM, (EPSRC FUNDED) GROUP OF PROF. J. RARITY AND PROF. J. O'BRIEN.

06/2017 –12/2017

POSTDOCTORAL RESEARCH ASSOCIATE AT UNIVERSITY OF BRISTOL, FACULTY OF ELECTRICAL AND ELECTRONIC ENGINEERING AND SCHOOL OF PHYSICS, UNITED KINGDOM, (EPSRC FUNDED) GROUP OF PROF. J. RARITY AND PROF. J. O'BRIEN.

03/2016 –05/2017

POSTDOCTORAL RESEARCH ASSISTANT AT UNIVERSITY OF BRISTOL, FACULTY OF ELECTRICAL AND ELECTRONIC ENGINEERING AND SCHOOL OF PHYSICS, UNITED KINGDOM, (EPSRC FUNDED) GROUP OF PROF. J. RARITY AND PROF. J. O'BRIEN.

01/2016 –02/2016

DOCTOR OF PHILOSOPHY IN SCIENCE (PH.D.), UNIVERSITY OF BRISTOL, UNITED KINGDOM, PH.D. STUDENT UNDER THE SUPERVISION OF PROF. J. RARITY AND PROF. J. O'BRIEN (ERC FUNDED).

01/2011 –12/2015

MASTER OF SCIENCE, HUMBOLDT-UNIVERSITY OF BERLIN, GERMANY. GROUP OF PROF. O. BENSON.

10/2008 –09/2010

GRADUATE STUDENT RESEARCHER, HUMBOLDT-UNIVERSITÄT ZU BERLIN, GERMANY.

10/2008 –09/2010

BACHELOR OF SCIENCE, HUMBOLDT-UNIVERSITY OF BERLIN, GERMANY. GROUP OF PROF. O. BENSON.

10/2005 –09/2008

RESEARCH INTERNSHIP, HUMBOLDT-UNIVERSITÄT ZU BERLIN, GERMANY.

07/2007 –09/2007

**TEACHING AND
SUPERVISORY
EXPERIENCE**

POSTDOCTORAL TEACHER UNIVERSITY VIENNA

2020-present

Co-supervision and training of PhD students.

Tutorials and problem classes for undergraduate students.

POSTDOCTORAL TEACHER UNIVERSITY OF NEW SOUTH WALES

2018-2020

Co-supervision and training of PhD students.

POSTDOCTORAL TEACHER UNIVERSITY OF BRISTOL

2016-2017

Co-supervision and training of PhD students.

TEACHING SUPPORT ASSISTANT UNIVERSITY OF BRISTOL

2011-2015

Tutorials for groups of more than 10 students.

Problem classes of more than 50 students.

AWARDS/GRANTS

RELOCATION GRANT of the Forschungsförderungsgesellschaft (FFG), Austria.

01/2020

HONORARY STAFF MEMBER, University of Bristol, School of Physics, United Kingdom.

01/2018-12/2018