

# Richard Pates

 [richardpates.com](http://richardpates.com)

 [@richard\\_pates](https://twitter.com/richard_pates)

## Academic Employment

- **Researcher and Part Time Lecturer** (October 2015 – December 2019)  
Department of Automatic Control  
[Lund University](#)
- **Affiliated Lecturer** (January 2015 – July 2015)  
Control Group in the Department of Engineering  
[University of Cambridge](#)
- **Postdoctoral Researcher** (May 2014 – December 2014)  
Control Group in the Department of Engineering  
[University of Cambridge](#)

## Education

- **Ph.D** (September 2009 – April 2014)  
Title: *Scalable Design Rules for Heterogeneous Networks*  
Supervisor: [Glenn Vinnicombe](#)  
Control Group in the Department of Engineering  
[University of Cambridge](#)
- **M.Eng** (October 2005 – June 2009)  
Department of Engineering  
[University of Cambridge](#)  
Specialisations and Accrediting bodies:
  - Institution of Mechanical Engineers ([IMechE](#))
  - Institution of Engineering and Technology ([IET](#))
  - Institute of Measurement and Control ([InstMC](#))

## Ph.D Students

- [Carolina Bergeling](#), co-supervisor (2016 – 2019) [[thesis](#)]
- [Martin Heyden](#), co-supervisor (2017 – Present)
- [Hamed Sadeghi](#), co-supervisor (2017 – 2018)

## Masters Students

- Rijad Alisic (2018), main supervisor (2018) [[thesis](#)]
- Santiago Castro Chans, main supervisor (2016) [[thesis](#)]

## Teaching

Lecturer:

- [Robust Control](#) (2018)
- [Linear Systems](#) (2016)
- [Robust and Optimal Control \(4F3\)](#) (2015)

Small Group Teaching (150+ hours, 2010 – 2015):

- [Mechanics \(IA\)](#)
- [Linear Algebra \(IB\)](#)
- [Linear Systems and Control \(IB\)](#)
- [Probability \(IB\)](#)
- [Vector Calculus \(IB\)](#)
- [Dynamics \(3C5\)](#)
- [Vibration \(3C6\)](#)
- [Systems and Control \(3F2\)](#)

Laboratory Demonstration (200+ hours, 2009 – 2015):

- [Flight Control \(3F1\)](#)
- [Ball and Beam \(3F2\)](#)
- [Atomic Force Microscope \(SG1\)](#)

## Extended Research Visits

- [Thematic Semester on Resilient Control of Infrastructure Networks](#) (September 2019)  
Politecnico di Torino
- [Institute of Mathematics and its Applications](#) (May 2016)  
University of Minnesota
- [Institute of Mathematics and its Applications](#) (October 2015)  
University of Minnesota
- [CSPLab Visiting Early Career Scholar Program](#) (September 2015)  
University of Melbourne
- [LCCC Focus Period on Dynamics and Control in Networks](#) (October 2014)  
Lund University

## Professional Activities

- **Journal and Conference Reviewer**  
[TAC](#), [TCNS](#), [Automatica](#), [CDC](#), [ACC](#), [ECC](#), [MTNS](#), [PES](#), [IFAC](#)
- **Invited Session Organiser**  
[CDC](#)
- **Session Chair**  
[CDC](#), [ACC](#), [MTNS](#)

## Other Qualifications

- [Fellow of the Higher Education Academy](#), UK.