

**Program DISC Winter Course on**

**Reinforcement Learning**

**Delft University of Technology,** [**Pulse building**](https://www.tudelft.nl/en/about-tu-delft/contact-and-accessibility/map-and-buildings/building-33a/)**,**

**Technology Room  
March 27-29, 2019**

**Wednesday, March 27, 2019**

13.00 – 17.00 Ann Nowé Reinforcement Learning preliminaries

**Thursday, March 28, 2019**

09.15 – 09.30 Registration   
09.30 – 09.40 Welcome and Introduction

09.40 – 11.15 Lucian Busoniu Forward-search planning

11.15 – 11.30 Break

11.30 – 12.30 Ann Nowé Reinforcement learning: part 1  
12.30 – 14.00 Lunch

14.00 – 15.00 Ann Nowé Reinforcement learning: part 2

15.00 – 15.15 Break

15.15 – 16.15 Ann and Lucian Tutorial: Discrete-valued methods part 1

16.15 – 16.30 Break

16.30 – 17.30 Ann and Lucian Tutorial: Discrete-valued methods part 2

18.30 Winter Course Dinner at [Café Belvedere](https://www.bbcbelvedere.nl/)

**Friday, March 29, 2019**

09.00 – 10.00 Lucian Busoniu General function approximation and application to model-based techniques

10.00 – 10.15 Break

10.15 – 11.15 Lucian Busoniu Function approximation in reinforcement learning

11.15 – 11.30 Break

11.30 – 12.30 Ann Nowé Deep learning introduction

12.30 – 14.00 Lunch  
14.00 – 15.00 Ann Nowé Deep reinforcement learning

15.00 – 15.15 Break

15.15 – 16.00 Ann Nowé Multi-agent reinforcement learning