Jasper De Bock

Brief CV

Jasper De Bock is a postdoctoral fellow of the Research Roundation – Flanders (FWO), working at the imprecise probability unit of IDLab, at the Faculty of Engineering and Architecture of Ghent university. Prior to this postdoctoral position, from October 2011 until September 2015, he was a PhD fellow of the FWO. He obtained his PhD in mathematical engineering at Ghent university in May 2015.

During the course of his PhD, Jasper De Bock has visited the Imprecise Probability Group (IPG) at IDSIA, Switzerland, for a period of two weeks and has visited the Department of Mathematical Sciences at Durham University, United Kingdom, for a period of two months. He recently obtained a €15000 FWO travel grant and is using it to visit the IPG group again, now for a period of nine months. He also won the best student paper award at ECSQARU 2013, the 'ISIPTA-IJAR joung researcher award: Gold Prize' at ISIPTA 2015, the 'De Meulemeester-Piot prize 2016' (a best PhD prize at his faculty) and the best paper award at DRCN 2017. He published eleven journal papers and fourteen conference papers.

Other research achievements of Jasper De Bock are his service as a reviewer for two journals and five conferences, his at-large membership of the Executive Committee of SIPTA (the Society for Imprecise Probability) since July 2015, and the co-organisation of WPMSIIP 2014, an international workshop on statistical inference with interval probabilities.

As a teaching assistent and co-lecturer, Jasper De Bock has been involved in two courses (at bachelor and master level). He also gave two lectures at the 5th international SIPTA summer school, and has been involved in the supervision of three PhD theses and four master theses.

5 key peer reviewed publications

February 2017	Jasper De Bock. *The Limit Behaviour of Imprecise Continuous-Time Markov Chains.* Journal of Nonlinear Science, 27(1):159–196. [IF 2015: 2.068]
February 2016	Jasper De Bock, Arthur Van Camp, Márcio A. Diniz & Gert de Cooman. *Representation theorems for partially exchangeable random variables.* Fuzzy Sets and Systems, 284:1–30. [IF 2015: 2.098]
December 2015	Jasper De Bock & Gert de Cooman. *Conditioning, updating and lower probability zero.* International Journal of Approximate Reasoning, 67:1–36. [IF 2015: 2.696]
January 2015	Jasper De Bock & Gert de Cooman. *Credal networks under epistemic irrelevance: the sets of desirable gambles approach.* International Journal of Approximate Reasoning, 56(B):178–207. [IF 2015: 2.696] (invited paper)
May 2014	Jasper De Bock & Gert de Cooman. *An efficient algorithm for estimating state sequences in imprecise hidden Markov models.* Journal of Artificial Intelligence Research, 50:189–233. [IF 2014: 1.257]

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