Sebastian Berndt

Research Areas: steganography, cryptography, approximation algorithms, FPT algorithms
Publications: APPROX, LATA, IH&MMSEC ([Link](#))
Teaching: Algorithm Design, IT-Security, Coding Theory ([Link](#))
Education: B. Sc., M. Sc., Ph. D. Student ([Link](#))

Education

2010	BSc in Computer Science, University of Kiel
2012	MSc in Computer Science, University of Kiel
2012–	Research Associate, Ph. D. Student, University of Lübeck

Publications & talks

2015	Berndt, Sebastian and Jansen, Klaus and Klein, Kim-Manuel (2015), "Fully Dynamic Bin Packing Revisited", *APPROX/RANDOM 2015*
2015	Berndt, Sebastian, "Fully Dynamic Bin Packing Revisited", Approximation Algorithms and Parameterized Complexity
2016	Berndt, Sebastian and Reischuk, Rüdiger (2016), "Steganography Based on Pattern Languages", *LATA 2016*
2016	Berndt, Sebastian and Liśkiewicz, Maciej (2016), "Provable Secure Universal Steganography of Optimal Rate", *ACM IH&MMSEC 2016*, **Awarded Best Student Paper**.

Teaching

2012	Exercises on "Algorithm Design"
2012	Exercises on "Introduction to IT Security and Reliability"
2013	Exercises on "Coding and Security"
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2013	Exercises on "Introduction to IT Security and Reliability"
2014	Exercises on "Coding and Security"
2014	Exercises on "Algorithm Design"
2014	Exercises on "Introduction to IT Security and Reliability"
2015	Exercises on "Coding and Security"
2015	Exercises on "Algorithm Design"
2015	Exercises on "Introduction to IT Security and Reliability"
2015	Lectures on "Presentation and Documentation"
2016	Exercises on "Coding and Security"

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Extracurricular Activities

2012– Received the *"Teaching Certificate I"* by taking more than 10 courses in e.g. team leading, presentation techniques and others ([Link](#))

2016 Organizing Commitee of *Creative Mathematical Sciences Communication* ([Link](#))

2016 Taught a course on algorithmics for pupils in the *summer camp* ([Link](#))

2016 Developed the tool *Jdrasil* to compute tree decompisitions ([Link](#))

Awards

2016 Best Student Paper Award for "Provable Secure Universal Steganography of Optimal Rate"

Interests

Kayaking, Improvisational Theatre, Hiking

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