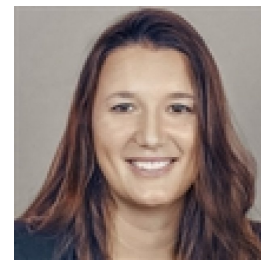


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## Publikationer

### **Meat and fish freshness evaluation by functionalized cantilever-based biosensors**

Costa, C. A. B., Grazhdan, D., Fiutowski, J., Nebling, E., Blohm, L., Lofink, F., Rubahn, H. G. & de Oliveira Hansen, R., 1. mar. 2020, I : *Microsystem Technologies*. 26, 3, s. 867-871

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### **Magnetic films for electromagnetic actuation in MEMS switches**

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### **Micro-cantilevers for optical sensing of biogenic amines**

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### **On-chip immunomagnetic separation of bacteria by in-flow dynamic manipulation of paramagnetic beads**

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### **Flexible PCPDTBT:PCBM solar cells with integrated grating structures**

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### **AC-driven light emission from in-situ grown organic nanofibers**

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### **Efficiency enhancement of ITO-free organic polymeric solar cells by light trapping**

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### **Optical properties of microstructured surface-grown and transferred organic nanofibers**

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### **In situ-Directed Growth of Organic Nanofibers and Nanoflakes: Electrical and Morphological Properties**

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### **Pinning of organic nanofiber surface growth**

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### **Controlled growth of organic nanofibers on nano- and micro-structured gold surfaces**

Madsen, M., Oliveira, R. M. D., Kjelstrup-Hansen, J. & Rubahn, H-G., 2009, I : Proceedings of SPIE, the International Society for Optical Engineering. 7406, s. 74060R 8 s.

### **Structural Characterization of Arsenic Implanted SOI**

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### **Electrical activation of Arsenic Implanted in Silicon on Insulator (SOI)**

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### **Ion-beam Synthesis of Cubic-SiC Layer on Si(111) Substrate**

Maltez, R. L., Oliveira Hansen, R. M. D., Reis, R. & Boudinov, H., 2006, I : Journal of Applied Physics. 100, 063504

## **Education**

2011	Ph.D. i Nanoteknologi (Syddansk Universitet)
2007	Master i Fysik (Universidade Federal do Rio Grande do Sul - Brasilien)
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## **Ansættelse**

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2011-2013	Postdoc - Syddansk Universitet
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2006-2007	Videnskabelig assistant - Universidade Federal do Rio Grande do Sul - Brasilien
2003-2006	Videnskabelig Assistant - Universidade Federal do Rio Grande do Sul - Brasilien
2009	Guest researcher - University of Glasgow - United Kingdom

## **Priser**

### **Templates patterned by Electron Beam Lithography for integrated nanofiber growth**

de Oliveira Hansen, Roana (Modtager), 28. aug. 2008

### **Best pedagogical development project/poster**

de Oliveira Hansen, Roana (Modtager), 2015

### **Pedagogical development project**

de Oliveira Hansen, Roana (Modtager), 10. jun. 2015

### **Plasmonic solar cells**

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**Sønderborg Entrepreneurship Prize**  
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de Oliveira Hansen, Roana (Modtager), 16. aug. 2010