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## Relevante uddannelser og ansættelser

2018 - nuværende	Ansæt som Lektor ved Civil and Architectural Engineering, Institut for Teknolgi og Innovation, Syddansk Universitet
2015 - nuværende	Laboratorieansvarlig for betonlaboratoriet, inkl. ansvar for sikkerhed og vedligeholdelse
2018 - nuværende	Arbejdsmiljørepræsentant på Institut for Teknologi og Innovation
2014 - 2018	Ansæt som Adjunkt ved Institut for Teknologi og Innovation, Syddansk Universitet
2015 - 2018	Timeansat rådgivende ingeniør ved Infrastructure DK South, COWI A/S. De primære arbejdsopgaver omhandlede kvalitetssikring og vejledning omkring konstruktionsdesign af træ-, stål- og betonkonstruktioner.
2015 - 2016	Universitetspædagogikum, Syddansk Universitet
2013	Besøgende ph.d. studerende i forskningsgruppen: "Structural concrete laboratory, ibeton, Civil engineering section, École Polytechnique Fédérale de Lausanne", Lausanne, Schweiz. Leder af forskningsenheden: Professor Aurelio Muttoni.
2011 - 2014	Ansæt som ph.d. studerende ved Institut for Teknologi og Innovation, Syddansk Universitet
2009 - 2011	Uddannet civilingeniør i konstruktionsteknik ved Syddansk Universitet
2005 - 2009	Uddannet diplomingeniør i bygningsteknik ved Syddansk Universitet

## Publikationer

### **Anchorage capacity of looped wire ropes for connections between precast concrete wall-elements**

Veyhe, T., Jørgensen, H. B. & Hansen, S. G., 15. mar. 2024, I: *Engineering Structures*. 303, 117533.

### **3DLightBeam+. Design, simulation, and testing of carbon-efficient reinforced 3D concrete printed beams**

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### **Mechanical modeling of dowel action and the influence of small amounts of shear reinforcement on the shear-transfer actions in RC beams**

Autrup, F., Jørgensen, H. B., Fernández Ruiz, M. & Hoang, L. C., okt. 2023, I: *Structural Concrete*. 24, 5, s. 5928-5946

### **The influence of small amounts of shear reinforcement on the shear-transferring mechanisms in RC beams: An analysis based on refined experimental measurements**

Autrup, F., Jørgensen, H. B. & Hoang, L. C., apr. 2023, I: *Structural Concrete*. 24, 2, s. 2844-2861

### **Dowel action of the tensile reinforcement in RC beams without shear reinforcement: Novel experimental investigation and mechanical modelling**

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### **Experimental Investigation of Connections for Reuse of Hollow Core Slabs**

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### **Experimental Investigation of the Anchorage Capacity of Looped Wire Ropes in Precast Concrete Element Connections**

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**Experimental Investigation of the Anchorage Capacity of Looped Wire Ropes placed in Wall Elements for T-and L-connections**

Veyhe, T., Jørgensen, H. B. & Hansen, S. G., 2022, *Proceedings of the 14th fib International PhD Symposium in Civil Engineering*. di Prisco, M., Meda, A. & Balázs (red.). fib. The International Federation for Structural Concrete, Bind 58. s. 153-160 (fib Symposium Proceedings).

**Experimental investigation of the influence of stirrup spacing on the shear capacity of reinforced concrete beams**

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**Shear capacity of RC members without shear reinforcement: A modified crack sliding model**

Astrup, F. & Joergensen, H. B., 15. jul. 2021, I: *Engineering Structures*. 239, 13 s., 112147.

**Experimental Investigation of the Shear Capacity of RC Beams with Very Small Amounts of Shear Reinforcement**

Astrup, F., Jørgensen, H. B. & Hoang, L. C., 14. jun. 2021, *Concrete Structures: New Trends for Eco-Efficiency and Performance. Proceedings of the fib Symposium 2021*. Julio, E., Valenca, J. & Louro, A. S. (red.). s. 1668-1677

**Experimental Study on the Anisotropic Behaviour and Strength of 3D Printed Concrete**

Jørgensen, H. B., Douglas, P. J. & Naboni, R., 2021, *Concrete Structures: New Trends for Eco-Efficiency and Performance. Proceedings for the 2021 fib Symposium, held online from Lisbon, Portugal, June 14-16, 2021..* Julio, E., Valenca, J. & Louro, A. S. (red.). International Federation for Structural Concrete, s. 739-748 (fib Symposium Proceedings, Bind 2021-June).

**Experimental Study on the Shear Behaviour of Post-Tensioned Beams without Shear Reinforcement**

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**Experimental Investigation of Dowel Action in RC Beams without shear reinforcement**

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**Anisotropic Concrete Compressive Strength in Existing Structures**

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**The influence of tolerances on the load bearing capacity of looped wire rope connections**

Joergensen, H. B., 2019, *Proceedings of the fib Symposium 2019: Concrete - Innovations in Materials, Design and Structures*. Derkowski, W., Krajewski, P., Gwozdziwicz, P., Pantak, M. & Hojdys, L. (red.). International Federation for Structural Concrete, s. 2218-2230

**Experimental Study on the Tensile Capacity of Bridge Deck Loop Connections with Shear Keys**

Jørgensen, H. B., Christensen, L. & Bendixen, J., okt. 2018, *Better, Smarter, Stronger: Proceedings for the International Federation for Structural Concrete, 5th International fib Congress*. Foster, S., R. Gilbert, I., Mendis, P., Al-Mahaidi, R. & Millar, D. (red.). Federation internationale du beton (fib), s. 1705-1718

**Experimental investigation on the shear capacity of RC beams with curtailed reinforcement**

Jørgensen, H. B. & Gustenhoff Hansen, S., 15. aug. 2018, I: *Engineering Structures*. 169, s. 81-93

**Strengthening Strategy for the Shear Capacity in Existing Concrete Structures**

Gustenhoff Hansen, S., Eiken Abildgaard, N. & Jørgensen, H. B., aug. 2018, I: *Structural Engineering International*. 28, 4, s. 489-497

**Experimental Investigation of the Effect of Curtailed Reinforcement on the Shear Failure of RC Members Without Stirrups**  
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**Anisotropic Concrete Compressive Strength**

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**Load Carrying Capacity of Shear Wall T-Connections Reinforced with High Strength Wire Ropes**

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**Strength of precast concrete shear joints reinforced with high-strength wire ropes**

Jørgensen, H. B., Hoang, L. C. & Hagsten, L. G., 2017, I: *Proceedings of the Institution of Civil Engineers - Structures and Buildings*. 170, 3, s. 168-179

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**Strength of Loop Connections between Precast Bridge Decks Loaded in Combined Tension and Bending**

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**Load Carrying Capacity of Keyed Joints Reinforced with High Strength Wire Rope Loops**

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**Calculation of shear strength of prestressed hollow core slabs by use of plastic theory**

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**Tests and limit analysis of loop connections between precast concrete elements loaded in tension**

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**Influence of High Axial Tension on the Shear Strength of non-shear RC Beams**

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**Tensile strength of loop connections between precast bridge deck elements**

Jørgensen, H. B., 2012, *Proceedings of the 9th fib International PhD Symposium in Civil Engineering: Karlsruhe Institute of Technology (KIT), July 22 to 25 2012*. Karlsruhe, Germany: KIT Scientific Publishing, s. 123-128

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Jensen, U. G., Hoang, L. C., Jørgensen, H. B. & Fabrin, L., 2010, I: *Engineering Structures*. 32, 3, s. 617-626 10 s.

**Shear Test on RC Elements with Circular Cross Section**

Jensen, U. G., Hoang, L. C., Jørgensen, H. B., Fabrin, L. & Maagaard, J., 2009, *IABSE Report Vol. 96, IABSE Symposium Bangkok 2009: Sustainable Infrastructure - Environment Friendly, Safe and Resource Efficient*. International Association for Bridge and Structural Engineering, Bind 96. (I A B S E Symposium Report, Bind 96).

