

Exempel på publikationer

Berg:

- Jacobsson, L., Flansbjer, M., Christiansson, R. and Jansson, T: Measurement of micro crack volume in low porosity crystalline rock. 11th Congress of the International Society for Rock Mechanics, Lisbon, Portugal, 2007.
- Jacobsson, L. and Flansbjer M.: Shear tests on Sealed Joints, Oskarshamn Site Investigation, Borehole KLX07A, Report SKB P-05-209, Swedish Nuclear Fuel and Waste Management Co, 2006.

Betong:

- Flansbjer M, Kutti T: Skarvning av plattbärlag – förenklad utformning. Betong Nr 4, 2008.
- Flansbjer, M.: Composite Action in CFT Columns under Normal Conditions and in Case of Fire, 2nd International fib Congress, fib, June 5-8, 2006, Naples Italy.
- Löfgren, I., Olesen J. F., Flansbjer, M.: The WST-method for Fracture Testing of Fibre-Reinforced Concrete. Nordic Concrete Research, No. 34 2/2005 , Norsk Betongförening, 15-33, 2005.
- Johansson, M. : Brandpåverkan på samverkanspelare. FoU-Väst RAPPORT 0401, Sveriges Byggindustrier, 2004.

Elastomer/Polymer:

- Lillbacka, R., Johnson, E. and Bellander M., *"Rubber component fatigue life evaluation based on FE-modelling and material testing"*, Proceedings from ECCMR 2009, Sixth European Conference on Constitutive Models for Rubber, Dresden, Germany 7-10 September, 2009.

Keramer:

- Johnson, E. "Simulations of microcracking in the process region of ceramics with a cell model", International Journal of Fracture, 2001, 111, 361-380.

Metalliska material:

- Karlsson, U., Ringsberg, J., Johnson, E., Hoseini, M., and Ulfvarsson, A., *"Experimental and numerical investigation of bulb impact with a ship side-shell structure"*, Marine Technology, 2009, 46, 16-26.
- Hogström, P., Ringsberg, J. and Johnson, E., *"An experimental and numerical study of the effects of length scale and strain state on the necking and fracture behaviours in sheet metals"*, International Journal of Impact Engineering, 2009, 36, 1194-1203
- Svensson I.L. and Sjögren T., *"On Modeling and Simulation of Mechanical Properties of Cast Irons with Different Morphologies of Graphite"*, International Journal of Metalcasting, 2009, 3 (4), 67-77.

- Larsson D., Sjögren T. and Svensson I.L., *"Modelling the plastic deformation behaviour of cast irons"*, International Foundry Research/Giessereiforschung, 2008, 60, 8-16.
- Sjögren T. and Svensson I.L., *"The effect of graphite fraction and morphology on plastic deformation of cast irons"*, Metallurgical and Materials Transactions A, 2007, 38, 840-847.
- Holmgren D., Rinvall T. and Sjögren T., *"Study of the thermal and mechanical properties of pearlitic and ferritic cast iron matrices"*, International Foundry Research/Giessereiforschung, 2007, 59, 14-21.
- Seifeddine S., Sjögren T. and Svensson I.L., *"Variations in Microstructure and Mechanical Properties of Cast Aluminium EN AC 43100 Alloy"*, Journal of Metallurgical Science & Technology, 2007, 25, 12-22.
- Lillbacka, R., Chai, G., Ekh, M., Liu, P., Johnson, E. and Runesson, K., *"Cyclic Stress-Strain Behavior and Load-Sharing in Duplex Stainless Steels – Aspects on Modeling and Experiments"*, Acta Materialia, 2007, 55, 5359-5368.
- Karlsson, U., Ulfvarsson, A., Johnson, E. and Kjell, G., *"Stress and Fatigue Analysis of a Bow-Door Arm"*, Journal of Engineering for the Maritime Environment, 2007, 221, 125-136.
- Lillbacka, R., Johnson, E., and Ekh, M., *"A model for short crack propagation in polycrystalline materials"*, Engineering Fracture Mechanics, 2006, 73, 223-232.
- Holmgren, M., Svensson, T., Johnson, E., and Johansson, K., *"Reflections Regarding Uncertainty of Measurement, on the Results of a Nordic Fatigue Test Interlaboratory Comparison"*, Accreditation and Quality Assurance, 2005, 10, 208-213.
- Sjögren T. and Svensson I.L., *"Studying the elastic behaviour of cast irons by means of acoustic emission"*, International Journal of Cast Metals Research, 2005, 18, 249-256.
- Holmgren, M., Johansson, K., Johnson, E. and Svensson, T., *"Inter-laboratory comparison of a fatigue test"*, Materialprüfung, 2005, 47, 529-533.
- Sjögren T. and Svensson I.L., *"Modelling the effect of graphite morphology on the modulus of elasticity in cast irons"*, International Journal of Cast Metals Research, 2004, 17, 271-279.
- Sjögren T., Vomacka P. and Svensson I.L., *"Comparison of mechanical properties in flake graphite and compacted graphite cast irons for piston rings"*, International Journal of Cast Metals Research, 2004, 17, 65-71.