2018


2017


---

**2016**


Wang, T., Hou, C., Li, W., Han, L., Rasmussen, K. (2016). Analytical Behaviour of Concrete-Filled Steel Tubular K-Joint Using Stainless Steel. *8th International Conference on Steel And Aluminium Structures*, Hong Kong: University of Hong Kong.


Fratamico, D., Torabian, S., Rasmussen, K., Schafer, B. (2016). Experimental Investigation of the Effect of Screw Fastener Spacing on the Local and Distortional Buckling Behavior of Built-Up Cold-Finned Steel Columns. *Wei-Wen Yu International Specialty Conference on Cold-Formed Steel Structures (CCFSS 2016)*, Rolla, Missouri: Missouri University of Science and Technology.

Blum, H., Rasmussen, K. (2016). Experiments on column base stiffness of long-span cold-formed steel portal frames composed of double channels. *Wei-Wen Yu International Specialty Conference on Cold-Formed Steel Structures (CCFSS 2016)*, Rolla, Missouri: Missouri University of Science and Technology.

Blum, H., Rasmussen, K. (2016). Experiments on long-span cold-formed steel portal frames composed of double channels. *7th International Conference on Coupled Instabilities in Metal Structures (CIMS 2016)*, Baltimore: Johns Hopkins University.

Rendall, M., Hancock, G., Rasmussen, K. (2016). Extension of the generalised constrained finite strip method to members under general loading including shear. *7th International Conference on Coupled Instabilities in Metal Structures (CIMS 2016)*, Baltimore: Johns Hopkins University.


Arrayago, I., Rasmussen, K., Real, E. (2016). Full Slenderness Range DSM Approach for Ferritic Stainless Steel Hollow Cross-Sections. *8th International Conference on Steel And Aluminium Structures*, Hong Kong: University of Hong Kong.

Rendall, M., Hancock, G., Rasmussen, K. (2016). Identifying shear buckling coefficients for channels with rectangular web stiffeners using the generalised CFSM. *Wei-Wen Yu International Specialty Conference on Cold-Formed Steel Structures (CCFSS 2016)*, Rolla, Missouri: Missouri University of Science and Technology.

Huynh, L., Pham, C., Rasmussen, K. (2016). Mechanical Properties of Cold-Rolled Aluminium Alloy 5052 Channel Sections. *8th International Conference on Steel And Aluminium Structures*, Hong Kong: University of Hong Kong.

Rendall, M., Hancock, G., Rasmussen, K. (2016). Modal Analysis of Lipped Channel Sections with Rectangular Web Stiffeners in Shear. *8th International Conference on Steel And Aluminium Structures*, Hong Kong: University of Hong Kong.

Rendall, M., Hancock, G., Rasmussen, K. (2016). Modal participation for elastic buckling of polygonal tubes in torsion using the generalised CFSM. *7th International Conference on Coupled Instabilities in Metal Structures (CIMS 2016)*, Baltimore: Johns Hopkins University.


Huynh, L., Pham, C., Rasmussen, K. (2016). Stub Column Tests and Finite Element Modelling of Cold-Rolled Aluminium Alloy 5052 Channel Sections. *8th International Conference on Steel And Aluminium Structures*, Hong Kong: University of Hong Kong.


Rasmussen, K., Zhang, H., Henriques De Sena Cardoso, F., Liu, W. (2016). The Direct Design Method for Cold-Formed Steel Structural Frames. *8th International Conference on Steel And Aluminium Structures*, Hong Kong: University of Hong Kong.


based analysis of locally and/or distortiously buckled members: Application. *Thin-Walled Structures*, 95, 127-137. 


2014


Liu, W., Rasmussen, K., Zhang, H. (2014). On the modelling of geometric imperfection in 3D steel unbraced frames. The 7th International European Conference on Steel and Composite Structures (Eurosteel), Berlin: Ernst & Sohn Verlag für Architektur und technische Wissenschaften GmbH.


Shayan, S., Rasmussen, K., Zhang, H. (2012). On the
infuence of pallets on the behaviour and design of drive-in
steel storage racks - Part I: Behaviour. 5th International
Conference on Structural Engineering, Mechanics and
Computation (SEMC 2013), Boca Raton: CRC Press. <a
Information] »</a>

Gilbert, B., Teh, L., Badet, R., Rasmussen, K. (2013). The
infuence of pallets on the behaviour and design of drive-in
steel storage racks - Part II: Design. 5th International
Conference on Structural Engineering, Mechanics and
Computation (SEMC 2013), Boca Raton: CRC Press. <a
Information] »</a>

2012
Investigation into Flexural-Torsional Bucking of Ultra Light-
Gauge Steel Storage Rack Uprights. Sixth International
Conference on Coupled Instabilities in Metal Structures
CIMS2012, Scotland: Loughborough University.

Zhang, X., Rasmussen, K., Zhang, H. (2012). Beam-Element-
Based Analyses of Locally and Distortionally Buckled
Columns. 7th International Conference on Advances in Steel
Structures (ICASS 2012), Nanjing: Southeast University Press.

Rossi, B., Rasmussen, K. (2012). Carrying Capacity of
Stainless Steel Columns in the Low Stiffness Range. Sixth
International Conference on Coupled Instabilities in Metal
Structures CIMS2012, Scotland: Loughborough University.

Gilbert, B., Rasmussen, K., Baldassino, N., Cudini, T., Rovere,
L. (2012). Determining the transverse shear stiffness of steel
storage rack upright frames. Journal of Constructional Steel
Research, 78, 107-116. <a
href="http://dx.doi.org/10.1016/j.jcsr.2012.06.012">[More
Information] »</a>

Zhang, H., Gilbert, B., Rasmussen, K. (2012). Development of
Limit State Criteria for Drive-In Steel Racks Under Forklift
Truck Impact. 7th International Conference on Advances in Steel
Structures (ICASS 2012), Nanjing: Southeast University Press.

Zhang, H., Gilbert, B., Rasmussen, K. (2012). Drive-In Steel
Storage Racks. II: Reliability-Based Design for Forklift Truck
Impact. Journal of Structural Engineering, 138(2), 148-156. <a
href="http://dx.doi.org/10.1061/(ASCE)ST.1943-
541X.0000448">[More Information] »</a>

Zhang, X., Rasmussen, K., Zhang, H. (2012). Formulation and
Implementation of Three-Dimensional Doubly Symmetric
Beam Finite Elements with Warping Effects in OpenSees. 7th
International Conference on Advances in Steel Structures
(ICASS 2012), Nanjing: Southeast University Press.

Yao, Z., Rasmussen, K. (2012). Inelastic local buckling
behaviour of perforated plates and sections under compression.
Thin-Walled Structures, 61, 49-70. <a
Information] »</a>

Niu, S., Rasmussen, K., Fan, F. (2012). Member Capacity of
Stainless Steel I-beams Featuring Local-Global Interaction
Buckling. Sixth International Conference on Coupled
Instabilities in Metal Structures CIMS2012, Scotland:
Loughborough University.

Shayan, S., Rasmussen, K., Zhang, H. (2012). On the

2011
Rasmussen, K., Gilbert, B. (2011). Analysis-based 2D design of
steel storage racks. International Journal of Structural Stability
and Dynamics, 11(5), 929-947. <a
href="http://dx.doi.org/10.1142/S0219455411004403">[More
Information] »</a>

Reduction Factors for the Design of Ductile Cast Iron
Components of Heritage Bridges. 2011 Austroads 8th Bridge
Conference, Sydney, Australia: Austroads Inc.

Rasmussen, K., Gilbert, B. (2011). Design of Steel Storage
Racks - Elastic and Inelastic Analysis Methods. 6th European
Conference on Steel and Composite Structures (EUROSTEEL
2011), Brussels, Belgium: ECCS European Convention for
Construcional Steelwork.

Chandrangsu, T., Rasmussen, K., Zhang, H. (2011). Design of
Support Formwork Systems by Advanced Structural Analysis.
Third International Symposium on Innovative Design of Steel
Structures, Hong Kong: University of Hong Kong.

forklift truck impact forces on drive-in steel rack structures.
Engineering Structures, 33(5), 1403-1409. <a
href="http://dx.doi.org/10.1016/j.engstruct.2010.10.022">[More
Information] »</a>

Gilbert, B., Rasmussen, K. (2011). Determination of the base
plate stiffness and strength of steel storage racks. Journal of
Constructional Steel Research, 67(6), 1031-1041. <a
Information] »</a>
European Mechanics Society.


Gilbert, B., Rasmussen, K. (2009). Determination of accidental forklift truck impact forces on drive-in steel rack structures. *Sixth International Conference on Advances in Steel Structures*, Hong Kong: Hong Kong Institute of Steel Construction.


Chandrangsu, T., Rasmussen, K. (2009). Full-Scale Tests and Advanced Structural Analysis of Formwork Subassemblies. *Sixth International Conference on Advances in Steel Structures*, Hong Kong: Hong Kong Institute of Steel Construction.


Gilbert, B., Rasmussen, K. (2009). Impact tests and parametric studies on drive-in steel storage racks. *Sixth International Conference on Advances in Steel Structures*, Hong Kong: Hong Kong Institute of Steel Construction.


Zhang, H., Chandrangsu, T., Rasmussen, K. (2009). System Reliability of Steel Scaffold Systems. *Sixth International Conference on Advances in Steel Structures*, Hong Kong: Hong Kong Institute of Steel Construction.


the Interaction of Local and Overall Buckling of Stainless Steel I-columns. *Fifth International Conference on Coupled Instabilities in Metal Structures CIMS2008* (volume 1), Sydney, Australia: The University Publishing Service, University of Sydney.


Gilbert, B., Rasmussen, K. (2008). Stiffness Tests and Load Transfer in Drive-In Steel Storage Racks. *Fifth International Conference on Thin-Walled Structures*, Brisbane, Australia: Queensland University of Technology.


2007


Methods For Angle Section Columns With Locally Unstable

Rasmussen, K. (2004). Buckling Phenomena And Design
Advances In Cold-formed Steel Research And Design. Icms 2006


2005


2004


Lecce, M., Rasmussen, K. (2004). Design Of Stainless Steel Sections Against Distortional Buckling. 17th International Speciality Conference On Cold-Formed Steel Structures, Orlando, FL, United States: University of Missouri-Rolla, Rolla, MO, 65409-1060, United States.


Lecce, M., Rasmussen, K. (2004). Experimental Investigation Of Distortional Buckling Of Cold-Formed Stainless Steel Sections. 17th International Speciality Conference On Cold-Formed Steel Structures, Orlando, FL, United States: University of Missouri-Rolla, Rolla, MO, 65409-1060, United States.


2003


2002

Yang, D., Hancock, G., Rasmussen, K. (2002). Compression Tests of Cold-Reduced High Strength Steel Long Columns. *Sixteenth International Specialty Conference on Cold-Formed Steel Structures*, Rolla, Missouri: Department of Civil Engineering, University of Missouri-Rolla.


Bambach, M., Rasmussen, K. (2002). Effects Widths of Unstiffened Elements under Combined Compression and Bending. *Sixteenth International Specialty Conference on Cold-Formed Steel Structures*, Rolla, Missouri: Department of Civil Engineering, University of Missouri-Rolla.


2001


