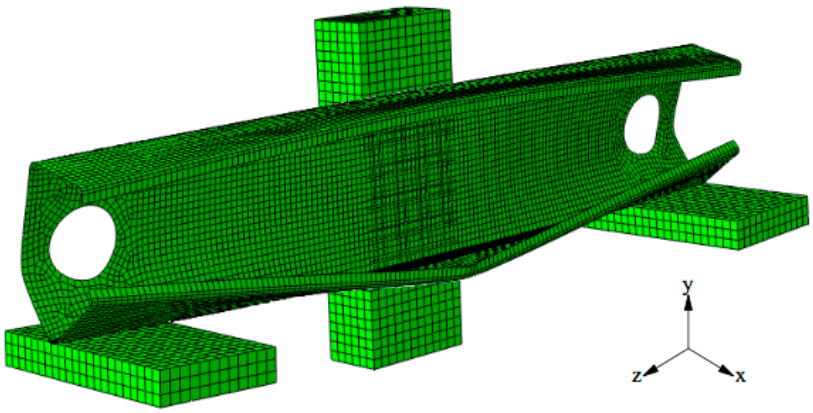
Dr. Md. Asraf Uzzaman



From: Ying Lian, Md Asraf Uzzaman, James B.P. Lim, Gasser Abdelal, David Nash and Ben Young, "Effect of web holes on web crippling strength of cold-formed steel channel sections under end- one-flange loading condition - Part I: Tests and finite element analysis", Thin-Walled Structures, 107. pp. 443-452, 2016

See:
https://www.strath.ac.uk/staff/uzzamanmdasrafdr/
https://pure.strath.ac.uk/portal/en/persons/asraf-uzzaman(a40fac34-9e45-4a77-a7f0-368803823e92).html
https://scholar.google.co.uk/citations?user=KRpoAT4AAAAJ&hl=en

Mechanical and Aerospace Engineering
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Research Interests and Abilities:
Finite element analysis, Structural design, Steel structure, Use of codes and standards and design by analysis, Experimental testing, Analysis in all its forms - ANSYS and ABAQUS, Cold-formed steel structures, Stainless steel structures, Thin-walled structures, Lightweight structures, Portal frame design, Functionally graded materials

Selected Publications:
Asraf Uzzaman, James B.P. Lim, David Nash, Jim Rhodes and Ben Young, "Web crippling behaviour of cold-formed steel channel sections with offset web holes subjected to interior-two-flange loading", Thin-Walled Structures, Vol. 50, pp 78-86, January 2012
Asraf Uzzaman, James B.P. Lim, David Nash, Jim Rhodes and Ben Young, "Cold-formed steel sections with web openings subjected to web crippling under two-flange loading conditions – Part 1: Tests and finite element analysis", Thin-Walled Structures, Vol. 56, pp 38-48, July 2012
Asraf Uzzaman, James B.P. Lim, David Nash, Jim Rhodes and Ben Young, "Cold-formed steel sections with web openings subjected to web crippling under two-flange loading conditions – Part II: Parametric study and proposed design equations", Thin-Walled Structures, Vol. 56, pp 79-87, July 2012
Asraf Uzzaman, James B.P. Lim, David Nash, Jim Rhodes and Ben Young, "Effect of offset web holes on web crippling strength of cold-formed steel channel sections under end-two-flange loading condition", Thin-Walled Structures, Vol. 65, pp 34-48, April 2013
Ying Lian, Md Asraf Uzzaman, James B.P. Lim, Gasser Abdelal, David Nash and Ben Young, "Effect of web holes on web crippling strength of cold-formed steel channel sections under end- one-flange loading condition -

Part I: Tests and finite element analysis", Thin-Walled Structures, 107. pp. 443-452, 2016
Amir M Yousefi, James BP Lim, Asraf Uzzaman, Ying Lian, G Charles Clifton, Ben Young, "Web crippling strength of cold-formed stainless steel lipped channel-sections with web openings subjected to interior-one-flange loading condition", Steel and Composite Structures, 21 (3). pp. 629-659, 2016
Amir M. Yousefi, Asraf Uzzaman, James B.P. Lim, G. Charles Clifton and Ben Young, "Numerical investigation of web crippling strength in cold-formed stainless steel lipped channels with web openings subjected to interior-two-flange loading condition", Steel and Composite Structures, Vol. 23, No. 4, pp 363-383, February 2017
Ying Lian, Asraf Uzzaman, James B.P. Lim, Gasser Abdelal, David Nash and Ben Young, "Web crippling behaviour of cold-formed steel channel sections with web holes subjected to interior-one-flange loading condition – Part II: parametric study and proposed design equations", Thin-Walled Structures, Vol. 114, pp 92-106, May 2017
Asraf Uzzaman, James B.P. Lim, David Nash and Ben Young, "Effects of edge-stiffened circular holes on the web crippling strength of cold-formed steel channel sections under one-flange loading conditions", Engineering Structures, Vol. 139, pp 96-107, May 2017