

INFORMAȚII PERSONALE


Zsolt NAGY

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Nagy**

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by Zsolt Nagy
Date: 2024.03.08
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Sexul Masculin | Data nașterii 06/04/1970 | Naționalitatea Maghiară

LOCUL DE MUNCA ACTUAL/
POZIȚIA

Universitatea Tehnică Cluj / Facultatea de Construcții /
Departamentul de Structuri / Conferențiar

EXPERIENȚA PROFESIONALĂ

2009 - prezent

Conferențiar

Universitatea Tehnică din Cluj-Napoca, www.utcluj.ro

- Activități didactice și de cercetare-dezvoltare, conducere doctorat în cadrul IOSUD UTCN
- Earthquake engineering – an III – Civil Engineering – pregătirea materialelor de curs – 14 module de curs noi. Modulele de curs au fost elaborate în format electronic (.ppt, .pdf)
- Composite Structures – an IV Civil Engineering – Modulele de curs au fost elaborate în format electronic (.ppt, .pdf), pregătirea materialelor de aplicații
- Steel Structures – an III+IV Civil Engineering – pregătirea materialelor de aplicații
- Structuri din bare cu pereți subțiri – an IV Inginerie Civilă și Master, Inginerie Structurală – Modulele de curs au fost elaborate în format electronic (.ppt, .pdf), pregătirea materialelor de aplicații

Tipul sau sectorul de activitate: Învățământ superior

2006 - prezent

Director

Gordias SRL Cluj-Napoca, www.gordias.ro

- Activitate de consultanță și proiectare în cadrul companiei Gordias SRL
- Traininguri de dezvoltarea resurselor umane ale clienților și partenerilor Gordias SRL
- Cursuri la disciplina "Construcții metalice" - cursuri (anul III, IV și V) la disciplina Construcții Metalice în cadrul UAIM București
- Management de proiecte construcții civile și industriale

Tipul sau sectorul de activitate: Proiectare, Consultanță, Management de Proiect

1995 - 2006

Director Tehnic / Director Cercetare - Dezvoltare

Lindab SRL, București, www.lindab.ro

- Activități manageriale și de cercetare-dezvoltare în domeniul profilelor formate la rece
- În aceasta perioadă am contribuit la realizarea a mai multor obiective importante contractate de compania Lindab : depozite și fabrici de producție pentru industria berii (Brauunion-Heineken: Miercurea -Ciuc, Constanța, București, Craiova, Hațeg)
- Service autocamioane Volvo, București, fabrică de produse textile Transilvanian Trousers Company, Sf. Gheorghe, extindere clădire a universității Cantemir, Tg. Mureș.
- Am contribuit la dezvoltarea unor noi produse de succes „Construcții Ușoare” și „Soluții de Hale industriale Tipizate”, parte și azi ale portofoliului de produse Lindab
- Am făcut parte din echipa internațională de cercetare a concernului Lindab, care avea sarcina dezvoltării produselor și serviciilor întregului concern,
- Am fost responsabil de relația cu Universitățile de profil și mediul de cercetare, precum și de producerea de materiale tehnice pentru aceste medii

Tipul sau sectorul de activitate: Industria materialelor de construcții din oțel subțire

EDUCAȚIE ȘI FORMARE

1999-2006

Doctorat (PhD)

Nivelul EQF 7

Universitatea „Politehnica” Timișoara

- S-a studiat comportamentul structurilor și a îmbinărilor realizate din profile de oțel cu pereți subțiri formate la rece, s-au realizat încercări experimentale pe noduri și pe cadre la scară reală,
- Titlul tezei de doctorat: *”Studiul soluțiilor constructive și performanțelor structurale ale halelor ușoare cu structura realizată din profile de oțel formate la rece”*

Nivelul EQF 6

2001-2005

Diploma Profesională în Management

Open University Business School – București

- S-a studiat managementul resurselor umane, management general, marketing, management financiar,
- Atenție deosebită s-a acordat procesului de cercetare și dezvoltare în cadrul organizațiilor, rolul procesului de inovare în dezvoltarea produselor și a serviciilor organizației,
- Titlul lucrării de licență: *”CLIMATUL PENTRU INOVARE ȘI PROCESUL DE REALIZARE A PRODUSELOR NOI ÎN ORGANIZAȚIA LINDAB”*

Nivelul EQF 5

1989-1994

Diploma de Licență – Inginer Constructor

Universitatea Tehnică din Cluj Napoca

- S-a studiat proiectarea structurilor din beton armat și a structurilor metalice,
- Titlul lucrării de licență: *”Proiectarea unui patinoar artificial de 5000 de locuri cu structură din beton armat și acoperiș suspendat pe cabluri”*

Nivelul EQF 4

1984-1988

Diploma de Bacalaureat

Liceul de Matematică – Fizică (Márton Áron) din Miercurea Ciuc

COMPETENȚE PERSONALE

Limba maternă

Limba maghiară

Alte limbi străine cunoscute

Limba română

Limba engleză

INTELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversație	Discurs oral	
C2	C2	C2	C2	C2
C1	C1	C1	C1	C1

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
Cadru european comun de referință pentru limbi străine

Competențe de comunicare

Competențe organizaționale/manageriale

Abilități de comunicare dobândite prin susținerea continuă a numeroase prezentări de specialitate, îmbunătățite în permanență prin activitatea desfășurată

Competențe manageriale, Leadership, Interpersonale:

- Competențe manageriale: Ca director de cercetare și dezvoltare al firmei Lindab am contribuit la extinderea portofoliului de produse al organizației, rezultatul fiind un venit suplimentar din vânzări de peste 1,200,000 Eur în anul 2004. Obiectivul propus a necesitat planificarea și efectuarea unor serii de activități de management și marketing,
- Ca director al firmei Gordias am realizat cu echipa proprie numeroase proiecte de succes premiate la competiția națională AICPS
- Leadership: Ca unul din liderii firmei Gordias conduc o echipă de proiectare, răspund de motivarea oamenilor din subordine (echipă de 9 persoane) și îi evaluez periodic,
- Competențe interpersonale: La derularea proiectelor lucrez alături de o echipă de 9 oameni și colaborez cu echipe complexe de proiect. Rezultatele bune necesită flexibilitate și colaborare

Competențe dobândite la locul de muncă

Cercetare / dezvoltare / inovare:

- Problemele din practica de proiectare le transform în proiecte de cercetare și rezultatele le implementez în activitatea practică de proiectare ulterioară

Competențe informatice

Bună cunoaștere a aplicațiilor asociate proiectării structurilor metalice și compozite:

- Aplicațiile Tekla Structures, Idea Statica și Consteel sînt utilizate în activitatea curentă didactică / munca cu studenții

Alte competențe

- Aptitudini de coordonare, urmărire și verificare a activității de proiectare – consultanță și a activității de cercetare,
- Capacitate de analiză, asistare, coordonare, organizare și planificare,
- Fermitate și viteză de reacție în situații critice,
- Aptitudini de organizare profesional-științifice: am organizat patru seminarii pe tematica structurilor din oțel și din profile cu pereți subțiri cu participare națională și internațională:
 - J. Michael Davies – de la University of Manchester – Marea Britanie (2003 - București)
 - Reinhold Schuster – de la University of Waterloo – Canada (2005 - București)
- "Construiește cu Steel" – organizat la Universitatea Tehnică Cluj (Edițiile mai 2010, mai 2011 și noiembrie 2015)
- Verificator de proiecte și Expert tehnic exigență A2 (structuri metalice)

Permis de conducere

- Categoria B

INFORMATII SUPLIMENTARE

Publicații

- Vezi anexă – Lista de publicații

Prezentări

Prezentare susținută în cadrul programului de formare continuă a specialiștilor de la Centrala Atomică Paks – Ungaria, în colaborare cu UBB Cluj, 5-7 mai, 2011

Seminarii

- "Construiește cu Steel" – organizat la Universitatea Tehnică Cluj (Edițiile 2010, 2011, 2015)
- Seminar susținut în cadrul programului de suport "Steel days" al integrării Turciei în Uniunea Europeană, pe tema utilizării profilelor formate la rece pe rol de structură principală de rezistență. Seminarul a fost intitulat : „Soguk Şekillendirilmiş Hafif Çelik ile Yapı Tasarımı (Utilizarea profilelor formate la rece în aplicații industriale” desfășurat la Istanbul 22-24 aprilie 2009. Seminarul s-a bucurat de suportul asociațiilor producătorilor de structuri metalice din cele două țări: Asociația Producătorilor de Construcții Metalice din România - APCMR și din Turcia - Türk Yapısal Çelik Derneği (TUCSA).
- Seminar "Construcții metalice ușoare pentru clădiri civile și industriale" (2003 - București)
- Seminar "Noi tendințe în proiectarea structurilor metalice ușoare" (2005 - București)

Distincții

- 4th International Conference on Thin-walled Structures, ICTWS'2004, Loughborough, Anglia, 23-24 Iunie 2004. În cadrul conferinței s-a acordat de către comitetul științific premiul special „THE BEST CONFERENCE PAPER” articolului: „MONOTONIC AND CYCLIC PERFORMANCE OF JOINTS OF COLD FORMED STEEL PORTAL FRAMES echipa de cercetători: D. Dubină, A. Stratan, A. Ciutină, L. Fülöp, Zs. Nagy;
- Premiul Special al Juriului câștigat la competiția națională de proiecte AICPS (Asociația Inginerilor Constructori Proiectanți de Structuri) ediția 2009 cu lucrarea: „STRUCTURA DE REZISTENȚĂ A PATINOARULUI ARTIFICIAL DIN TG. MUREȘ”;
- Premiul III câștigat la competiția națională de proiecte AICPS ediția 2010 cu lucrarea: „RECONVERSIA CENTRULUI COMERCIAL METECOM DIN SATU MARE ÎN GRAND MALL METECOM”;
- Premiul III câștigat la competiția națională de proiecte AICPS ediția 2011 cu lucrarea: "EXTINDEREA PE VERTICALĂ ÎN SOLUȚIE METALICĂ A UNEI CLĂDIRI MULTIETAJATE: CLĂDIRIA DE BIROURI SIGMA, CLUJ-NAPOCA”.
- Premiul I câștigat la competiția națională de proiecte AICPS ediția 2013 cu lucrarea: "SALĂ MULTIFUNCȚIONALĂ DE SPORT, CLUJ-NAPOCA
- Premiul II câștigat la competiția națională de proiecte AICPS ediția 2014 cu lucrarea: "STRUCTURA METALICĂ A TEATRULUI NAȚIONAL DE OPERETĂ ION DACIAN, BUCUREȘTI

- Premiul I câștigat la competiția națională de proiecte AICPS ediția 2016 cu lucrarea: "RECONVERSIE CLĂDIRE AGRICULTURALĂ ÎN CLĂDIRE DE BIROURI, SÂNTIMBRU, Jud. Alba"
- Premiul THE OUTSTANDING YOUNG ENGINEER CONTRIBUTION AWARD cu lucrarea: "CHALLENGES IN STRUCTURAL DESIGNING OF EGG-SHAPED STEEL STRUCTURE" , 19th IABSE CONGRESS 2016

Afilieri

- Asociația Inginerilor Constructori Proiectanți de Structuri - AICPS din România, director pe probleme de certificare
- International Association for Bridge and Structural Engineering – IABSE Fellow,
- Asociația Producătorilor de Construcții Metalice din România – APCMR
- European Convention for Constructional Steelwork - ECCS, membru activ din 2004 în comitetul tehnic TC7 – TWG7.5 (Thin Walled Group - Practical Improvement of Design Procedures) și TWG7.10 (Thin Walled Group - Connections in cold-formed steel structures)

Specializări

- Fire design of steel structures – organizat de ECCS online, în perioada oct-noi, 2023
- Design of steel structures in seismic areas– organizat de ECCS la Luxemburg 28-29 ianuarie 2020
- Design of cold-formed steel structures – organizat de ECCS la Bruxelles 22 martie & 26 aprilie 2018
- Fire design of steel structures – organizat de ECCS la Bruxelles în perioada 23-24 martie, 2017
- Advanced fire design of steel structures – organizat de ECCS la Bruxelles în 24 mai, 2017
- Structural glass –Technology an design – organizat de CMM la Lisabona în 18-19 noi., 2016
- Structural glass facades –organizat de CMM la Lisabona în 9-11 noi., 2017
- Bursier post-doctorat în cadrul programului 4D-POSTDOC, perioada 2010-2013;
- Cercetare post-doctorală în cadrul programului 4D-POSTDOC la VTT – Research Centre of Finland, Espoo, perioada 13 iunie-13 iulie 2011;
- Specializare în cadrul programului DIDATEC, perioada martie-septembrie 2012
- Specializare în cadrul unei burse ERASMUS, Staff Training la BUTE (Budapest University of Technology) , perioada 9-15 septembrie 2012 ;
- Cercetare post-doctorală în cadrul programului 4D-POSTDOC la UPC – UNIVERSITAT POLITÈCNICA DE CATALUNYA • BARCELONATECH, Barcelona, Spania, perioada 16 noiembrie-17 decembrie 2012
- Specializare: "Light Gauge Metal Structures - Recent Advances" (3-7 Iunie, 2002), Coordonat de Dan Dubina, Jacques Rondal la CISM | International Centre for Mechanical Sciences, Udine – Italia

Proiecte

Vezi anexă

Conferințe

Vezi anexă

Referințe

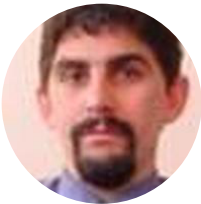
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ANEXE

- Lista publicațiilor;
- Lista proiectelor de cercetare;
- Lista proiectelor mai importante;



Zsolt Nagy

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Publication Metrics

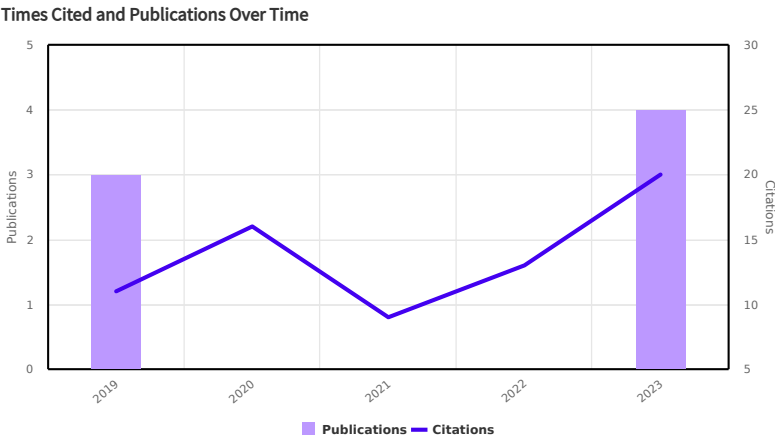
For manuscripts published from date range March 1999 - March 2024

5	90
H-index	Sum of Times Cited
39	22
Total Publications	Web of Science Core Collection Publications

For all time

5	90
H-index	Sum of Times Cited
40	22
Total Publications	Web of Science Core Collection Publications

Publication Impact Over Time



Publishing Summary

For manuscripts published from date range March 1999 - March 2024

(3) Thin-Walled Structures	(2) Advanced Steel Construction
(2) Proceedings of the International ...	(2) Proceedings of SDSS' Rio: Intern...
(2) Advances in Engineering Materia...	(2) Modern Technologies for the Mill...
(2) Structures and Architecture: Con...	(1) Stability and Ductility of Steel Str...
(1) Steel - A New and Traditional Mat...	(1) Stessa
(1) Proceedings of the International ...	(1) Seventeenth International Speci...
(1) Eighteenth International Specialt...	(1) Stessa: Proceedings of the Intern...
(1) IABSE Symposium Report	(1) Procedia Engineering
(1) Structures	(1) Structures and Architecture
(1) Proceedings of the Romanian Ac...	(1) Steel Construction - Design and ...
(1) New Metropolitan Perspectives: t...	(1) Lecture Notes in Civil Engineering
(1) Quality - Access to Success	(1) Structures and Architecture - Pro...
(1) IABSE Congress Report	(1) The Third International Conferen...
(1) Sel. Topics in Energy, Environ. Su...	(1) Journal of the International Asso...

Publications

For manuscripts published from date range March 1999 - March 2024 (39)

Times Cited
(All time)

Uncertainties in the structural design of the high-bay cold storage warehouses

Published: Sep 2023

Not indexed in
the Web of
Science

Structural response of hybrid timber - cold formed steel floors

Published: Sep 2023

Not indexed in
the Web of
Science

CASE STUDY: ROOF TRUSS STRUCTURE WITH LARGE CUT OUT AND ELLIPTIC GLAZING SURFACE

Published: Jun 2023 in Journal of the International Association for Shell and Spatial Structures

DOI: 10.20898/J.IASS.2023.007

0

<p>Rafter-purlin connection stiffness impact on the stress skin effect of corrugated sheet claddings</p> <p>Published: Apr 2023 in Thin-Walled Structures</p> <p>DOI: 10.1016/J.TWS.2023.110615</p>	1	
<p>The influence on portal frame buckling of different cladding systems - A comparative numerical study considering stressed skin effect</p> <p>Published: Jan 2023 in Thin-Walled Structures</p> <p>DOI: 10.1016/J.TWS.2022.110310</p>	1	
<p>Shake table test and numerical analyses of a thin-walled Cold-Formed Steel structure: Part 1-Investigation of the structural skeleton without claddings</p> <p>Published: Jan 2023 in Thin-Walled Structures</p> <p>DOI: 10.1016/J.TWS.2022.110258</p>	1	
<p>Upright Base Connection Impact on Structural Design of Steel Storage Rack Systems in Seismic Zones</p> <p>Published: May 2022 in Lecture Notes in Civil Engineering</p> <p>DOI: 10.1007/978-3-031-03811-2_125</p>		Not indexed in the Web of Science
<p>Parametric study of cold formed steel joints using the component method</p> <p>Published: 2019 in Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications</p>	1	
<p>Stabilization effect on portal frames given by stressed skin action of sandwich panels</p> <p>Published: 2019 in Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications</p>	1	
<p>Experimental Investigations for Joints Made by Cold-Formed Sigma Profiles</p> <p>Published: 2019 in Modern Technologies for the Millennium</p>	1	
<p>FEM investigation of cold-formed joints for multi-storey steel frames</p> <p>Published: 2018 in Modern Technologies for the Millennium</p>	1	
<p>EXPERIMENTAL INVESTIGATIONS OF COLD-FORMED JOINTS FOR MULTI-STOREY STEEL FRAMED STRUCTURES</p> <p>Published: Jul 2017 in Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science</p>	3	
<p>Stressed Skin Effect on the Elastic Buckling of Pitched Roof Portal Frames</p> <p>Published: Nov 2016 in Structures</p> <p>DOI: 10.1016/J.ISTRUC.2016.05.001</p>	14	
<p>Challenges in structural designing of egg-shaped steel structure</p> <p>Published: Sep 2016 in IABSE Congress Report</p> <p>DOI: 10.2749/STOCKHOLM.2016.2242</p>		Not indexed in the Web of Science

<p>Experimental investigations of cold-formed steel trapezoidal beams of screwed corrugated webs</p> <p>Published: 2016 in Proceedings of the International Colloquium on Stability and Ductility of Steel Structures, SDSS</p>	<p>Not indexed in the Web of Science</p>
<p>Local and global stability analysis of CFS structural members with particular shapes using spot welding technology</p> <p>Published: 2016 in Proceedings of the International Colloquium on Stability and Ductility of Steel Structures, SDSS</p>	<p>Not indexed in the Web of Science</p>
<p>Behavior of Fully Encased Steel-Concrete Composite Columns Subjected to Monotonic and Cyclic Loading</p> <p>Published: 2015 in Procedia Engineering</p> <p>DOI: 10.1016/J.PROENG.2015.08.193</p>	<p>33</p>
<p>A long span structure in Romania</p> <p>Published: Sep 2013 in IABSE Symposium Report</p> <p>DOI: 10.2749/222137813815776313</p>	<p>Not indexed in the Web of Science</p>
<p>Romanian application of cold-formed steel beams with screwed corrugated webs</p> <p>Published: May 2013 in Steel Construction - Design and Research</p> <p>DOI: 10.1002/STCO.201310015</p>	<p>0</p>
<p>Required performance level of an existing building for over roofing</p> <p>Published: 2013 in Structures and Architecture: Concepts: Applications and Challenges</p>	<p>0</p>
<p>Reconversion process of an old building into a modern commercial center</p> <p>Published: 2013 in Structures and Architecture: Concepts: Applications and Challenges</p>	<p>0</p>
<p>Reconversion of Flat Buildings Administration: New Romanian Business Opportunities</p> <p>Published: 2013 in New Metropolitan Perspectives: the Integrated Approach of Urban Sustainable Development</p> <p>DOI: 10.4028/WWW.SCIENTIFIC.NET/AEF.8-9.621</p>	<p>0</p>
<p>A Parametric Study of Cold-Formed Steel Bolted Joints in Pitch-Roof Portal Frames</p> <p>Published: Sep 2012 in The Third International Conference on Railway Technology: Research, Development and Maintenance</p> <p>DOI: 10.4203/CCP.99.33</p>	<p>Not indexed in the Web of Science</p>
<p>Seismic behaviour of a large span welded steel structure considering lateral restraints and initial imperfections: A case study</p> <p>Published: 2012 in Stessa: Proceedings of the International Conference on Behaviour of Steel Structures in Seismic Areas</p>	<p>0</p>

<p>Are we too capitalists for a comfortable life? business models for future and existing flat building administration Published: 2012 in Quality - Access to Success</p>	<p>Not indexed in the Web of Science</p>
<p>Local and global stability analysis of a large free span steel roof structure Published: 2012</p>	<p>Not indexed in the Web of Science</p>
<p>Imperfections sensitivity analysis of pitched roof cold - Formed steel portal frames Published: 2010 in Proceedings of SDSS' Rio: International Colloquium Stability and Ductility of Steel Structures</p>	<p>Not indexed in the Web of Science</p>
<p>Case study: The supporting steel structure of the ice rink - city of Tg. Mures, Romania Published: 2010 in Structures and Architecture</p>	<p>0</p>
<p>Case study: The supporting steel structure of the ice rink - City of Tg. Mureș, Romania Published: 2010 in Structures and Architecture - Proceedings of the International Conference on Structures and Architecture, ICSA</p>	<p>Not indexed in the Web of Science</p>
<p>Initial imperfection influences on the structural behavior of steel portal frames with variable cross sections and some sustainability considerations - Case study Published: 2010 in Sel. Topics in Energy, Environ. Sustainable Dev. and Landscaping - WSEAS Int. Conf. on Energy, Environ. Ecosystems and Sustainable Dev. EEESD, WSEAS Int. Conf. on Landsc. Archit. LA</p>	<p>Not indexed in the Web of Science</p>
<p>Advanced nonlinear investigations of a 50 m span frame case study: The steel structure of the ice rink, city of Targu-Mures, Romania Published: 2010 in Proceedings of SDSS' Rio: International Colloquium Stability and Ductility of Steel Structures</p>	<p>Not indexed in the Web of Science</p>
<p>FULL-SCALE TESTS ON COLD-FORMED STEEL PITCHED-ROOF PORTAL FRAMES WITH BOLTED JOINTS Published: Jun 2009 in Advanced Steel Construction</p>	<p>16</p>
<p>Full - Scale tests on cold-formed steel pitched-roof portal frames with bolted joints Published: 2009 in Advanced Steel Construction</p>	<p>Not indexed in the Web of Science</p>
<p>Application of component method for bolted cold-formed steel joints Published: 2006 in Steel - A New and Traditional Material for Building</p>	<p>9</p>
<p>Cold-formed steel pitched-roof portal frames of back-to-back plain channel sections and bolted joints Published: 2006 in Eighteenth International Specialty Conference on Cold-Formed Steel Structures: Recent Research and Developments in Cold-Formed Steel Design and Construction</p>	<p>Not indexed in the Web of Science</p>

Seismic performance of cold-formed steel framed houses Published: 2006 in Stessa	6
Performance of ridge and eaves joints in cold-formed steel portal frames Published: 2005 in Seventeenth International Specialty Conference on Cold-Formed Steel Structures: Recent Research and Developments in Cold-Formed Steel Design and Construction	Not indexed in the Web of Science
Influence of column-base, performance on the behaviour of pitched roof portal frames Published: 2002 in Stability and Ductility of Steel Structures	0
Cold-formed steel structures for single storey buildings Published: 2000 in Proceedings of the International Conference on Steel Structures of the's	2

Nagy, Zsolt

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The influence on portal frame buckling of different cladding systems — A comparative numerical study considering stressed skin effect

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Nagy, Z., Dező, A., Mureşan, A.A.
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Parametric study of cold formed steel joints using the component method
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Advanced nonlinear investigations of a 50 m span frame case study: The steel structure of the ice rink, city of Targu-Mures, Romania
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(2010) Sel. Topics in Energy, Environ., Sustainable Dev. and Landscaping - 6th WSEAS Int. Conf. on Energy, Environ., Ecosystems and Sustainable Dev., EEESD'10, 3rd WSEAS Int. Conf. on Landsc. Archit., LA'10, pp. 21-32. Cited 1 time.

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