

Alternative approach to buckling of square hollow section steel columns in fire

Kervališvili, Andrei; Talvik, Ivar Journal of constructional steel research 2014 / p. 140-150 : ill <https://doi.org/10.1016/j.jcsr.2013.11.018>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of a self-anchored suspension bridge in Estonia

Kulbach, Valdek; Talvik, Ivar IABSE Conference Seoul 2001 : Cable-Supported Bridges - Challenging Technical Limits 2001 / p. 170-171 : ill

Analysis of saddle-shaped cable networks with different contour structures

Kulbach, Valdek; Idnurm, Juhan; Talvik, Ivar Proceedings of the Estonian Academy of Sciences. Engineering 2002 / 2, p. 101-113 : ill

Behavior of fin-plate connection of a composite beam subjected to different fire scenarios

Sakr, Mohamed; Lu, Wei; Talvik, Ivar; Puttonen, Jari Rakenteiden mekaniikka = Journal of structural mechanics 2024 / 23 p
<https://doi.org/10.23998/rm.137617> [Journal metrics at Scopus](#) [Article at Scopus](#)

Bridge structures for the fixed link Saaremaa

Kulbach, Valdek; Talvik, Ivar Strait Crossings 2001 : proceedings of the Fourth Symposium on Strait Crossings : Bergen, Norway, 2-5 September 2001 2001 / p. 221-226 : ill

Comparative study of the buckling of steel beams in Eurocode 3 and the Russian code

Loorits, Kalju; Talvik, Ivar Journal of constructional steel research 2006 / 12, p. 1290-1294 : ill
<https://www.sciencedirect.com/science/article/pii/S0143974X06001076>

A comparative study of the design basis of the Russian Steel Structures Code and Eurocode 3

Loorits, Kalju; Talvik, Ivar Journal of constructional steel research 1999 / p. 157-166: ill [https://doi.org/10.1016/S0143-974X\(98\)00214-4](https://doi.org/10.1016/S0143-974X(98)00214-4)

Computationally efficient method for steel column buckling in fire

Kervališvili, Andrei; Talvik, Ivar Buildings 2023 / 19 p <https://doi.org/10.3390/buildings13020407> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design of the central bridge for a strait crossing in Estonia

Kulbach, Valdek; Talvik, Ivar Responding to Tomorrow's Challenges in Structural : IABSE Symposium Budapest 2006, 13-15.09.2006 2006 / p. 242-243
https://www.researchgate.net/publication/263678225_Design_of_the_central_bridge_for_a_strait_crossing_in_Estonia

Determination of dynamic characteristics of saddle-shaped suspension roof

Õiger, Karl; Talvik, Ivar Tallinna Tehnikaülikooli Toimetised 1990 / lk. 32-38: ill

Dynamic response of a cable network with elastic supporting elements : manuscript

Talvik, Ivar International Symposium on New Perspectives for Shell and Spatial Structures : IASS-APCS 2003 : October 22-25, 2003, Taipei, Taiwan 2003 / [9] p

Efficiency of steel in suspended structures

Kulbach, Valdek; Talvik, Ivar Journal of constructional steel research 1998 / 1/3, p. 326-327

Ehituskonstruktori käsiraamat

Jaaniso, Valdo; Masso, Tiit; Otsmaa, Vello; Talvik, Ivar 2002 https://www.ester.ee/record=b1668505*est

Eurokoodeks 1 : ehituskonstruksioonide koormused

Talvik, Ivar 2006 https://www.ester.ee/record=b2229128*est

Eurokoodeks 1 : ehituskonstruksioonide koormused

Talvik, Ivar 2007 https://www.ester.ee/record=b2333021*est

Eurokoodeks 1 : ehituskonstruksioonide koormused

Talvik, Ivar 2007 https://www.ester.ee/record=b2336074*est

Eurokoodeks 1 : ehituskonstruksioonide koormused. Osa 1-4, Üldkoormused. Tuulekoormus. Muudatus A1. Eesti standardi rahvuslik lisa = Eurocode 1 : actions and structures. Part 1-4, General actions. Wind actions. Amendment A1. Estonian national annex

2010 https://www.ester.ee/record=b2630185*est

Eurokoodeks 1 : ehituskonstruksioonide koormused. Osa 1-7, Üldkoormused. Erakorralised koormused = Eurocode 1: Actions on structures. Part 1-7, General actions. Accidental actions.

2010 https://www.ester.ee/record=b2545023*est

Eurokoodeks 1 [Võrguteavik] : ehituskonstruksioonide koormused. Osa 1-3, Üldkoormused. Lumekoormus : Eesti standardi rahvuslik lisa = Eurocode 1 : actions on structures. Part 1-3, General actions. Snow loads : Estonian National Annex

2016 http://www.ester.ee/record=b4602176*est

Eurokoodeks 1 [Võrguteavik] : ehituskonstruksioonide koormused. Osa 1-3, Üldkoormused. Lumekoormus = Eurocode 1 : actions on structures. Part 1-3, General actions. Snow loads

2016 http://www.ester.ee/record=b4602389*est

Eurokoodeks 1 [Võrguteavik] : ehituskonstruksioonide koormused. Osa 1-7, Üldkoormused. Erakorralised koormused = Eurocode 1 : actions on structures. Part 1-7, General actions. Accidental actions

2015 http://www.ester.ee/record=b4493677*est

Eurokoodeks 3 [Võrguteavik] : teraskonstruksioonide projekteerimine. Osa 1-4, Üldreeglid. Täiendavad reeglid roostevaba terase jaoks = Eurocode 3 : design of steel structures. Part 1-4, General rules. Supplementary rules for stainless steel

2021 https://www.ester.ee/record=b5417337*est

Eurokoodeks 3 [Võrguteavik] : teraskonstruksioonide projekteerimine. Osa 1-4, Üldreeglid. Täiendavad reeglid roostevaba terase jaoks = Eurocode 3 : design of steel structures. Part 1-4, General rules. Supplementary rules for stainless steel

2021 https://www.ester.ee/record=b5417334*est

Eurokoodeks 3 [Võrguteavik] : teraskonstruksioonide projekteerimine. Osa 1-5, Tasapinnalised konstruktsioonelemendid = Eurocode 3 : design of steel structures. Part 1-5, Plated structural elements

2020 https://www.ester.ee/record=b5303425*est

Eurokoodeks 3 [Võrguteavik] : teraskonstruksioonide projekteerimine. Osa 1-5, Tasapinnalised konstruktsioonelemendid = Eurocode 3 : design of steel structures. Part 1-5, Plated structural elements

2020 https://www.ester.ee/record=b5303956*est

Eurokoodeks 3 [Võrguteavik] : teraskonstruksioonide projekteerimine. Osa 1-6, Koorikkonstruktsioonide tugevus ja stabiilsus = Eurocode 3 : design of steel structures. Part 1-6, Strength and stability of shell structures

2018 https://www.ester.ee/record=b4767167*est

Eurokoodeks 3 [Võrguteavik] : teraskonstruksioonide projekteerimine. Osa 4-1, Puistemahutid = Eurocode 3 : design of steel structures. Part 4-1, Silos

2018 https://www.ester.ee/record=b4783423*est

Eurokoodeks 3, Teraskonstruksioonide projekteerimine

Talvik, Ivar 2009 https://www.ester.ee/record=b2504189*est

A finite element model for nonlinear vibrations of cable systems

Talvik, Ivar 3rd EUROMECH Solid Mechanics Conference, Stockholm, Sweden, August 18-22, 1997 : book of abstracts 1997 / IV : CM7 ; p. 54

Finite element modelling of cable networks with flexible supports

Talvik, Ivar Computers and structures 2001 / p. 2443-2450

Influence of internal pressure on hollow section steel members in fire

Kervalishvili, Andrei; Talvik, Ivar Applied sciences 2023 / art. 149 <https://doi.org/10.3390/app14010149> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of residual stress on the stability of steel columns at elevated temperatures

Kervališvili, Andrei; Talvik, Ivar Journal of civil engineering and management 2017 / p. 292-299 : ill <https://doi.org/10.3846/13923730.2015.1068845> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Komposiitkonstruktsioonide käitumine membraanina tulekahjus : projekteerimisjuhised

Vassart, O.; Zhao, B.; Talvik, Ivar 2012 http://www.ester.ee/record=b4761433*est

Komposiitkonstruktsioonide käitumine membraanina tulekahjus : teoreetilised alused

Vassart, O.; Zhao, B.; Talvik, Ivar 2012 http://www.ester.ee/record=b4761436*est

Koormused

Talvik, Ivar Ehituskonstruktori käsiraamat 2010 / lk. 179-210 : ill

Koormused

Talvik, Ivar Ehituskonstruktori käsiraamat 2012 / lk. 179-210 : ill

Modified procedure for buckling of steel columns at elevated temperatures

Kervalishvili, Andrei; Talvik, Ivar Journal of Constructional Steel Research 2016 / p. 108 - 119

<https://doi.org/10.1016/j.jcsr.2016.07.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Plastic capacity of bolted RHS flange-plate joints under axial tension

Mudrov, Andrej; Šaučiūvenas, Gintas; Sapalas, Antanas; **Talvik, Ivar** Engineering structures and technologies 2016 / p. 85-93 : ill

<http://dx.doi.org/10.3846/2029882X.2016.1216806>

Projekteerimise alused. Koormused. Osa 2.6, Tuulekoormus : Eesti projekteerimismid, EPN-ENV 1.2.6 : (eelnõu): välja antud juuni 1996

Talvik, Ivar ET-kartoteek : Eesti ehitusteave. ET-1 1996 / ET-1 0113-0138, 20 lk

Reliability based design method for buckling of steel columns in fire

Kervalishvili, Andrei; Talvik, Ivar Journal of Structural Fire Engineering 2020 / p. 167 - 187 <https://doi.org/10.1108/JSFE-12-2018-0041>

[Journal metrics at Journal](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Some aspects of numerical analysis of suspended structures

Talvik, Ivar Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 307-308

Stability of compressed steel elements in fire conditions : a probabilistic approach = Surutud teraselementide stabiilsus tulekahju olukorras : tõenäosuslik käsitus

Kervališvili, Andrei 2019 <https://digikogu.taltech.ee/et/Item/6f604774-d082-4716-8986-5af1d4ab2922>

Static and dynamic finite element analysis of cable nets with flexible supports

Talvik, Ivar Computing developments in civil and structural engineering : proceedings of the 7th International Conference on Civil and Structural Engineering Computing : Oxford, England, 13-15 September 1999 1999 / p. 91-97

Structural steel design of a large-span hall building in Estonia

Loorits, Kalju; Talvik, Ivar NSCC 2001 proceedings : 9th Nordic Steel Construction Conference : Helsinki, Finland, 18-20 June 2001 2001 / p. 99-103

Teraskonstruksioonid

Loorits, Kalju; Talvik, Ivar 2003 https://www.ester.ee/record=b1822162*est

Teraskonstruksioonid

Talvik, Ivar 2005 https://www.ester.ee/record=b2103295*est

Teraskonstruksioonid : tornid, mastid ja korstnad

Loorits, Kalju; Talvik, Ivar 2006 https://www.ester.ee/record=b2230686*est

Teraskonstruksioonide projekteerimine alamkomitee koosolekul Madridis

Talvik, Ivar EVS Teataja 2003 / 6, lk. 5-6

Teraskonstruksioonide projekteerimise standardimisest

Talvik, Ivar EVS Teataja 2003 / 12, lk. 11-12

Teraskonstruksioonide standardimine Euroopas

Talvik, Ivar EVS Teataja 2003 / 1, lk. 5-7

The influence of elastic boundary conditions on the stability of steel frames

Luhakooder, Priit; Talvik, Ivar Proceedings of the Eleventh International Conference on Computational Structures Technology : Dubrovnik, Croatia, Sept 4-7, 2012 2012 / p. 272-281

Wind loading on a hyperbolic paraboloid roof

Talvik, Ivar Proceedings of the 2nd European & African Conference on Wind Engineering : 2 EACWE, Palazzo Ducale, Genova, Italy, June 22-26, 1997. Vol. 2 1997 / p. 1415-1421

Аэродинамические испытания певческой эстрады г. Тарту

Hendrikson, V.; Õiger, Karl; Talvik, Ivar Тонкостенные пространственные конструкции 1989 / с. 11-17

Исследование работы тенто-вантовых покрытий : отчет : шифр работы ЕК-1041/1

Õiger, Karl; Talvik, Ivar; Oras, Riho 1983 https://www.ester.ee/record=b2426599*est

Определение динамических характеристик и ветровых нагрузок седловидных висячих покрытий : автореферат ... кандидата технических наук (05.23.01)

Talvik, Ivar 1990 http://www.ester.ee/record=b1226871*est

Определение динамических характеристик и ветровых нагрузок седловидных висячих покрытий : диссертация ... кандидата технических наук : 05.23.01 Строительные конструкции, здания и сооружения

Talvik, Ivar 1990 http://www.ester.ee/record=b2479199*est

Работа преднапряженной вантовой сети с покрытием при неравномерных статических и ударных нагрузках

Õiger, Karl; Paane, Peeter; Talvik, Ivar Теория и расчет тонкостенных пространственных конструкций 1987 / с. 14-24

Работа преднапряженной вантовой сети с покрытием при равномерных статических нагрузках

Paane, Peeter; Talvik, Ivar Теория и расчет тонкостенных пространственных конструкций 1987 / с. 25-33

Строительные конструкции и строительная механика

Jaaniso, Valdo; Õiger, Karl; Parts, Aldur; Paane, Peeter; Talvik, Ivar; Talvik, Andres; Rohusaar, Jaan; Reiman, Ants; Põial, R.; Otsmaa, Vello; Ravasoo, Arvi; Anissimov, V.A.; Kutsenko, A.N.; Voltri, Väino 1987 https://www.ester.ee/record=b1274061*est

Строительные конструкции и строительная механика

Jaaniso, Valdo; Aare, Johannes; Vilba, P.; Gordon, E.; Kulbach, Valdek; Dubõškina, L.V.; Lahe, Andres; Ross, Urmas; Õiger, Karl; Parts, Aldur; Hendrikson, V.; Talvik, Ivar; Oras, Riho; Otsmaa, Vello; Tämo, Ülo 1988

https://www.ester.ee/record=b1257253*est

Строительные конструкции и строительная механика

Jaaniso, Valdo; Hallang, Tiina; Hendrikson, V.; Õiger, Karl; Talvik, Ivar; Kulbach, Valdek; Paane, Peeter; Just, Elmar-Jaan; Pukk, Otto; Kuningas, Andres; Aben, Madis; Lahe, Andres; Gordon, E.; Lavrov, Anatoli; Fjodorov, Vladimir; Õiger, Karl; Tämo, Ülo 1989 https://www.ester.ee/record=b1308132*est

Экспериментальное исследование ветровых нагрузок на тентово-арочное покрытие

Hendrikson, V.; Õiger, Karl; Talvik, Ivar Тонкостенные и пространственные конструкции 1988 / с. 59-68

Экспериментальное исследование седловидной висячей конструкции с дополнительными связями

Talvik, Ivar; Õiger, Karl XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том I, Общественные науки. Физико-математические науки. Строительство. Экономика 1986 / с. 70 https://www.ester.ee/record=b1305540*est