



Professor Wojciech Witkowski

The right-most image above is from: Chróscielewski, J., Kreja, I., Sabik, A., Witkowski, W.: Modeling of composite shells in 6-parameter nonlinear theory with drilling degree of freedom. *Mech. Adv. Mater. Struct.* 18, 403–419 (2011)

See:

<https://publons.com/researcher/2137738/wojciech-witkowski/>
https://www.researchgate.net/profile/Wojciech_Witkowski2
<https://scholar.google.com/citations?user=UvbGAuIAAAAJ&hl=en>
<https://scholar.google.com/citations?user=UvbGAuIAAAAJ&hl=de>

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Selected Publications:

Book:

W. Pietraszkiewicz and W. Witkowski (editors), *Shell Structures Theory and Applications*, Vol. 4, CRC Press, 2017, 574 pages

Journal Articles, etc:

Dohrmann CR, Heinstejn MW, Jung J, Key SW, Witkowski WW (2000) Node-based uniform strain elements for three-node triangular and four-node tetrahedral meshes. *Int J Numer Methods Eng* 47:1549–1568

Chróscielewski, J. and Witkowski, W., “Four-node semi-EAS element in six-field nonlinear theory of shells.”, *International Journal for Numerical Methods in Engineering*, Vol. 68, No. 11, December 2006, pp. 1137-1179.

Jacek Chróscielewski, Izabela Lubowiecka, Czesław Szymczaka and Wojciech Witkowski, “On some aspects of torsional buckling of thin-walled I-beam columns”, *Computers & Structures*, Vol. 84, Nos. 29-30, November 2006, pp.1946-1957

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Jacek Chróscielewski, Wojciech Pietraszkiewicz and Wojciech Witkowski, “On shear correction factors in the non-linear theory of elastic shells”, *International Journal of Solids and Structures*, Vol. 47, Nos. 25-26, December 2010, pp. 3537-3545

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Chróscielewski J, Witkowski W (2011) FEM analysis of Cosserat plates and shells based on some constitutive relations. *Z Angew Math Mech* 91(5):400–410

Mucha J and Witkowski W (2014) The clinching joints strength analysis in the aspects of changes in the forming technology and load conditions. *Thin-Walled Structures* 82: 55–66.

Karol Daszkiewicz, Jacek Chrosccielewski and Wojciech Witkowski, "Geometrically nonlinear analysis of functionally graded shells based on 2-D Cosserat constitutive model", Engineering Transactions, Vol. 62, No. 2, pp 109-130, 2014

Burzynski S., Chrosccielewski J., Witkowski W., Elastoplastic material law in 6-parameter nonlinear shell theory, [in:] Shell Structures: Theory and Applications, Vol. 3, 377-380, W. Pietraszkiewicz and J. Górski [Eds.], CRC Press, London, 2014.

Burzynski S., Chrosccielewski J., Witkowski W., Elastoplastic law of Cosserat type in shell theory with drilling rotation, Mathematics and Mechanics of Solids, DOI: 10.1177/1081286514554351 (no date given)

Stanislaw Burzynski, Jacek Chrosccielewski, Karol Daszkiewicz and Wojciech Witkowski, "Geometrically nonlinear FEM analysis of FGM shells based on neutral physical surface approach in 6-parameter shell theory", Composites Part B: Engineering, Vol. 107, pp 203-213, December 2015

J. Chrosccielewski, A. Sabik, B. Sobczyk and W. Witkowski, "Nonlinear FEM 2D failure onset prediction of composite shells based on 6-parameter shell theory", Thin-Walled Structures, Vol. 105, pp 207-219, August 2016

Stanislaw Burzynski, Jacek Chrosccielewski, Karol Daszkiewicz and Wojciech Witkowski, "Elastoplastic nonlinear FEM analysis of FGM shells of Cosserat type", Composites Part B: Engineering, Vol. 154, pp 478-491, 1 December 2018

Jacek Chrosccielewski, Agnieszka Sabik, Bartosz Sobczyk and Wojciech Witkowski, "2-D constitutive equations for orthotropic Cosserat type laminated shells in finite element analysis", Composites Part B: Engineering, Vol. 165, pp 335-353, 15 May 2019