



Figure 1: Torispherical shell subjected to external uniform pressure



Figure 2: Sandwich panel with FRP faces under uniform compression

## Professor Aleksander Muc

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### Partial Biography:

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### Education:

Master of Science in Physics, Jagiellonian University, Cracow, Poland, 1980;  
Master of Science in Applied Mechanics, Cracow University of Technology, 1980;  
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Associate professor mechanical engineering Technology University Denmark, Lyngby, 1993.  
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Researcher University Liverpool, England, 1986-1988.  
Assistant Cracow University of Technology, 1980-1985,

Consultant Design Office, Tarnów, Poland, 1985-1987, Czestochowa (Poland) Technology University, 1989,  
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**Selected Publications:**

Galletly, G. D., and Muc, A., 1988, "Buckling of Fibre Reinforced Plastic Steel Torispherical Shells Under External Pressure," Proc. Inst. Mech. Eng., Part C: J. Mech. Eng. Sci., 202, pp. 409–420.

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and Manufacturing Processes, Vol. 25, No. 4, pp 272-280, 2010

Aleksander Muc and Adam Stawiarski, "Damage Detection in Composite Cylindrical Multilayered Shells with Delaminations", *Advanced Materials Research (Volumes 123 - 125)*, August 2010, pp. 887-890

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J. Blachut, A. Muc and J. Rys, "Plastic Buckling of Cones Subjected to Axial Compression and External Pressure", *Journal of Pressure Vessel Technology*, Vol. 1352, No. 1, 011205 (9 pages), December 2012

A. Muc, P. Kełdziora, "Buckling enhancement of laminated structures with piezoelectric actuators", 3rd International Conference on Buckling and Postbuckling Behavior of Composite Laminated Shell Structures with DESICOS Workshop, 25 – 27 March 2015

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