

## Professor Sidi Mohammed Hamza-Cherif

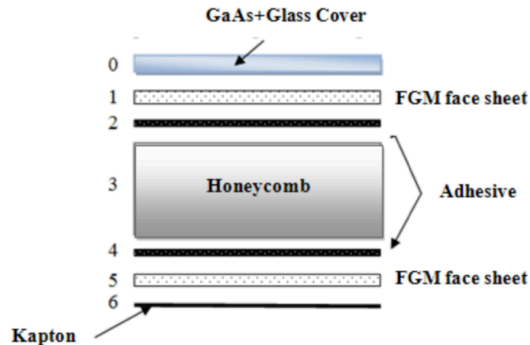


Figure 1. Transverse section of the solar panel

**The image above is from:** S.M. Hamza-Cherif and A. Houmat, Thermally induced vibration of composite flexible solar panels of satellite”, 15<sup>th</sup> European Conference on Composite Materials (ECCM15), Venice, Italy, 24-28 June 2012

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See:

<https://scholar.google.fr/citations?user=uktZYLA AAAAJ&hl=fr>

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### Selected Publications:

S.M. Hamza-Cherif, “Free vibration analysis of rotating flexible beams by using the Fourier p-version of the finite element method”, International Journal of Computational Methods, Vol. 2, No. 2, pp 255-269, June 2005

Hamza-Cherif S. M., Free vibration analysis of rotating cantilever plates using the p-version of the finite element method, Struct. Eng. Mech. 22 (2) (2006) 151–167.

S.M. Hamza-Cherif and A. Houmat, Thermally induced vibration of composite flexible solar panels of satellite”, 15<sup>th</sup> European Conference on Composite Materials (ECCM15), Venice, Italy, 24-28 June 2012

S.M.N. Serdoun and S.M. Hamza Cherif, “Free vibration analysis of composite and sandwich plates by alternative hierarchical finite element method based on Reddy’s C1 HSDT”, Journal of Sandwich Structures and Materials”, Vol. 18, No. 4, pp 501-528, July 2016

M Hachemi and SM Hamza-Cherif, “Free vibration analysis of composite laminated and sandwich plate with circular cutout”, Journal of Sandwich Structures & Materials, DOI 1099636218811393, 2018

Amine Bendahmane, Sidi Mohammed Hamza-Cherif and Mohammed Nabil Ouissi, “Free vibration analysis of variable stiffness composite laminate (VSCL) plates coupled with fluid”, Mechanics of Advanced Materials and Structures, pp 1-15, January 2019

Z Kheladi, Sidi Mohammed Hamza-Cherif and MEA Ghernaout, “Free vibration analysis of variable stiffness laminated composite beams”, Mechanics of Advanced Materials and Structures, pp 1-28, January 2020

Hachemi, M, Hamza-Cherif, SM, Houmat, A. Free vibration analysis of variable stiffness composite laminate plate with circular cutout. Aus J Mech Eng 2020; 18: 63–79.

M. Hachemi and S.M. Hamza-Cherif, Free vibration of composite laminated plate with complicated cutout”, Mechanics Based Design of Structures and Machines, Vol. 48, No. 2, pp 192-216, March 2020

S.M.N. Serdoun and S.M. Hamza Cherif, “Vibration analysis of composite and sandwich plates reinforced with parabolic fibers using an alternative hierarchical finite element method”, Journal of Sandwich Structures and Materials, Vol. 22, No. 4, pp 1074-1110, May 2020

M. Hachemi and S.M. Hamza-Cherif, “Free vibration analysis of composite laminated and sandwich plate with circular cutout”, Journal of Sandwich Structures and Materials, Vol. 22, No. 8, pp 2655-2691, November 2020