



**Professor Salim T.S. Al-Hassani**

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[https://en.wikipedia.org/wiki/Salim\\_Al-Hassani](https://en.wikipedia.org/wiki/Salim_Al-Hassani)

[http://researchindex.net/author/Al-Hassani\\_S.T.S./5375cb452618444be90057b6](http://researchindex.net/author/Al-Hassani_S.T.S./5375cb452618444be90057b6)

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<http://id.loc.gov/authorities/names/no2009068883.html>

**Biography (from Wikipedia, the free encyclopedia):**

Salim T. S. Al-Hassani is Emeritus Professor of Mechanical Engineering and currently an Honorary Professorial Fellow at the Faculty of Humanities at the University of Manchester. He is Chairman of the Foundation of Science, Technology and Civilisation (FSTC), founder of the academic portal [www.MuslimHeritage.com](http://www.MuslimHeritage.com); and Chief Editor of the 1001 Inventions touring exhibition, built as a global education initiative which includes a book, award winning film and teacher's pack; and the Curriculum Enrichment company, CE4TF. Salim Al-Hassani was raised in Baghdad, but has lived, studied and worked in the UK since the early 1960s. He became Professor of Mechanical Engineering at University of Manchester Institute of Science and Technology (UMIST) in 1991 and was an acknowledged world expert in the decommissioning of offshore installations and in major plant-related accident investigations. He also researched into, and is widely published on, the computational modeling of biomedical processes. Since 1968, Professor Al-Hassani, has published over 200 papers in international journals and books. He has supervised 40 PhD students, 50 MSc students and numerous post-doctoral fellows from all parts of the world and holds patents on engineering. Over the past 20 years Al-Hassani's interest has turned to promoting the cultural roots of science as a platform for community cohesion, intercultural appreciation and world peace. In order to do this, he has created a global movement aspiring to fill the 1000 years amnesia in our knowledge during the period

commonly known as the Dark Ages, the Golden Age of the Muslim Civilisation, and to show their connectivity to present society.

**Selected Publications:**

- B. J. Vartdal, S. T. S. Al-Hassani and S. J. Burley, "A tube with a rectangular cut-out. Part 1: Subject to pure bending", Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, May 2006, vol. 220, no. 5, pp. 625-643
- Vartdal, B. J., Al-Hassani, S. T. S., and Burley, S. J. (2005). "A tube with a rectangular cutout. Part 2: subject to axial compression." Proc. IMechE, 220 Part C: J. Mechanical Engineering Science, 220(5), pp. 652-643.
- Al-Hassani S T S. Analytical study of buckling of composite tubes with various boundary condition [J]. Composite Structures, 1997,39(1-2):157-164.
- T.Y. Reddy and S.T.S. Al-Hassani, "Axial crushing of wood-filled square metal tubes", International Journal of Mechanical Sciences, Vol. 35, Nos. 3-4, March-April 1993, pp. 231-246
- Mustafa, B., Al-Hassani, S.T.S. and Reid, S.R. (1993). "Axisymmetric Dynamic Buckling of Submerged Cylindrical Shells", Computers & Structures, Vol. 47, No. 3, pp. 399-405.
- Islam, M. N., Kormi, K., and Al-Hassani, S. T. S. (1992). "Dynamic response of a thin-walled cylinder to side pressure pulse." Engineering Structures, 14(6): 395-412.
- Johnson W, Soden P D, Al-Hassani S T S. Inextensional collapse of thin-walled tubes under axial compression. J Strain Anal Eng Des, 1977, 12: 317-330
- Al-Hassani STS, Johnson W, Lowe WT. Characteristics of inversion tube under axial loading. J Mech Engng Sci 1972;14:370-81.
- Al-Hassani, S.T.S., Duncan, J.L. and Johnson, W. (1970). "The Magnetohydraulic Forming of Tubes, Experiment and Theory", International Journal of Mechanical Science, Vol. 12, pp. 371-392.