



**Dr. Rabee Shamass**

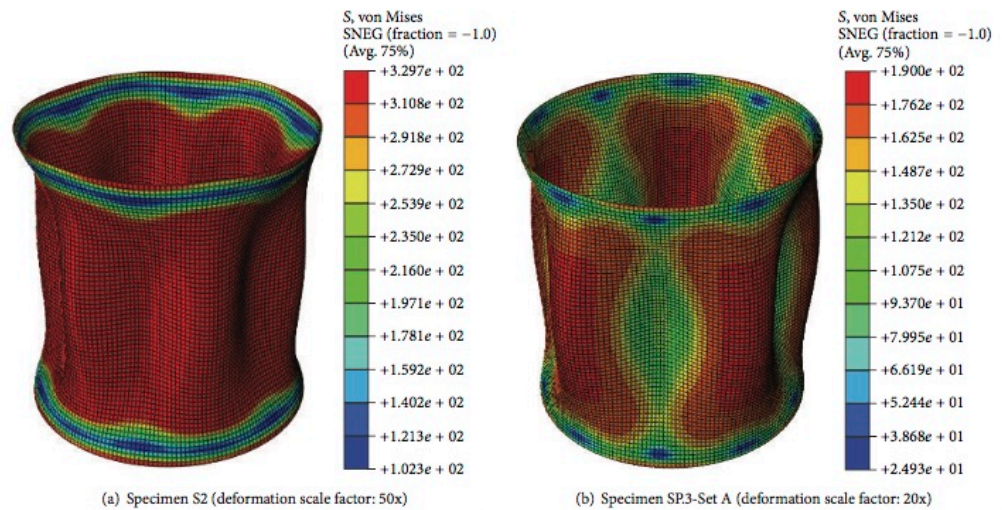


FIGURE 4: 3D isometric views of the deformed shapes and von Mises stress contour plots at the ultimate pressure for specimen S2 (a) and specimen SP3-Set A (b).

From: Rabee Shamass, Giulio Alfano and Federico Guarracino, “An analytical insight into the buckling paradox for circular cylindrical shells under axial and lateral loading”, *Mathematical Problems in Engineering*, Vol. 2015, Article ID 514267, 10 pages, 2015

See:

<https://uk.linkedin.com/in/rabee-shamass-95821673>  
[https://www.researchgate.net/profile/Rabee\\_Shamass](https://www.researchgate.net/profile/Rabee_Shamass)

London South Bank University, Southall, UK

**Education:**

2012-2016 Ph.D Brunel University London  
2010-2011 Msc Brunel University London  
2002-2008 Bs+ Damascus University

**Selected Publications:**

Rabee Shamass, Giulio Alfano and Federico Guarracino, “A numerical investigation into the plastic buckling paradox for circular cylindrical shells under axial compression”, *Engineering Structures*, Vol. 75, pp 429-447, September 2014

Rabee Shamass, Giulio Alfano and Federico Guarracino, “An analytical insight into the buckling paradox for circular cylindrical shells under axial and lateral loading”, *Mathematical Problems in Engineering*, Vol. 2015, Article ID 514267, 10 pages, 2015

Rabee Shamass, Giulio Alfano and Federico Guarracino, “An investigation into the plastic buckling paradox for circular cylindrical shells under non-proportional loading”, *Thin-Walled Structures*, Vol. 95, pp 347-362, October 2015

Rabee Shamass, “Numerical and Analytical Investigation into the Plastic Buckling Paradox for Metal Cylinders”, Ph.D dissertation, School of Engineering, Design and Physical Sciences, Brunel University, London, 2016

Rabee Shamass, Giulio Alfano and Federico Guarracino, “On elastoplastic buckling analysis of cylinders under nonproportional loading by differential quadrature method”, *International Journal of structural stability and dynamics*, September 2016

Rabee Shamass, Giulio Alfano, and Federico Guarracino, “, On elastoplastic buckling analysis of cylinders under nonproportional loading by Differential Quadrature Method”, *Int. J. Str. Stab. Dyn.* 17, No. 7, 1750072 (September 2017) [40 pages]