Shape Memory and Superelastic Technologies Society announce the 2024 William J. Buehler recipient Shuichi Miyazaki.

The SMST William J. Buehler Award shall recognize excellence in Shape Memory or Superelastic Alloy (SMA) technical innovation. This Award shall recognize those who have provided an exceptional amount of effort and valuable return on effort in their service to advancing Shape Memory and Superelastic Alloy Technology.

Prof. Shuichi Miyazaki obtained a Ph. D. degree in Materials Science and Engineering from Osaka University in 1979. After receiving his Ph. D., he immediately joined University of Tsukuba as an Assistant Professor. He was promoted to Associate Professor in 1990, Full Professor in 1998, Specially Appointed Professor and Professor Emeritus in 2015. In addition, during the 1980's, he was a Visiting Scientist at the University of Illinois and a Gredden Visiting Senior Fellow at the University of Western Australia. In the 1990's, he was a Honorary Fellow at the University of Minnesota, a Visiting Professor at the University of Franche-Comte and a Mosey Visiting Senior Fellow at the University of Western Australia. In the 2000's and 2010's, he was a visiting World Class University Program Professor at Gyeongsang National University, a visiting Professor at King Abdulaziz University and a visiting Professor at Ecole Nationale Supérieure de Chimie de Paris.

Prof. Miyazaki has co-edited and co-authored 7 books, including "Shape Memory Alloys" published from Springer Verlag, Italy in 1996, "Shape Memory Alloys for Biomedical Applications" published from Woodhead Publishing, England in 2009, "Thin Film Shape Memory Alloys" published from Cambridge University Press, England in 2009, "Shape Memory and Superelastic Alloys" published from Woodhead Publishing, England in 2011. He has also co-authored 26 book chapters and co-edited 12 special issues in International Journals. He has also co-authored 341 Journal papers, 119 Conference Proceedings and 78 review papers published in Materials Science and Engineering, especially relating to shape memory alloys including TiNi alloys, Cu-Al-Ni alloy, Ni-free Ti-based alloys, etc. The newest review paper describing his experience with Ti-Ni-based and Ni-free Ti-based shape memory alloys can be found in Shape Memory Superelasticity (2017) 3:279-314.

Prof. Miyazaki has been the recipient of sixteen awards, including the Yamazaki-Teiichi Prize from the Foundation for promotion of Material Science and Technology of Japan in 2002, the Minister Award from the Ministry of Education, Culture, Sports, Science and Technology, Japan in 2004, the ISI Highly Cited Researcher in Materials Science Field from Thomson Reuters in 2004, the Gold Medal Award from the Japan Institute of Metals in 2014, the Tsukuba Prize from The Science and Technology Promotion Foundation of Ibaraki in 2014, and the Honda Memorial Prize from the Honda Memorial Foundation in 2015.

Prof. Miyazaki has played important roles such as the President of the Japan Institute of Metals, a Cooperation Member of the Science Council of Japan, a Member of International Advisory Committee of the International Conference Organization on Martensitic Transformations, a Board Member of the International Organization of Shape Memory and Superelastic Technologies in ASM International and a Board Member of the Honda Memorial Foundation.