



2024 NATIONAL INVENTORS HALL OF FAME INDUCTEE

Born: Sept. 8, 1947

Primary Connections:

- University of California, Los Angeles: ECE Distinguished Adjunct Professor; Distinguished Scientist; 2011-present
- BEI Technologies Inc.: President, COO and Chief Technology Officer, 1992-2006
- Systron Donner Corp.: Chairman, President and CEO, 1975-92

Education:

- RCA Institutes Inc.: A.A.S., Electronics Technology Program, 1968
- University of California, Los Angeles: B.S., Electrical Sciences and Engineering, 1969; M.S., Electrical Sciences and Engineering, 1972
- California Coast University: Ph.D., Engineering, 1987
- Massachusetts Institute of Technology: Sloan School of Management, S.E., Program for Senior Executives, 1990

Key Memberships/Awards:

- John Fritz Medal, 2023
- Elmer E. Sperry Award, 2022
- IEEE: Medal of Honor, 2022
- Royal Academy of Engineering: Prince Philip Medal, 2022
- American Society of Mechanical Engineers: Soichiro Honda Medal, 2020
- Ellis Island Medal of Honor, 2016
- IET: J. J. Thomson Medal, 2015
- UCLA: Engineering Alumnus of the Year, 2004

10 Things You Need to Know About

Asad Madni

MEMS Gyroscope for Aerospace and Automotive Safety

U.S. PATENT NO. 7,360,422

1. Madni was born in 1947 in Mumbai, India, and grew up surrounded by an extended family who inspired and supported his love of learning.
2. As a child, he enjoyed studying English literature, math and science, as well as playing sports, carrom and chess, but his primary passion was for art, especially working in watercolors and charcoal.
3. “My definition of inventor is also an artist,” Madni said. “For complex problems, I try to look at the most elegant solution, and I always treat my solutions as artistic expressions.”
4. His career path was inspired in part by the proliferation of transistor radios across India and the world.
5. Madni’s recognitions by IEEE include the Medal of Honor, the Frederick Philips Award, the Millenium Medal, the Sensors Council Advanced Technical Achievement Award, the AESS Pioneer Award and the Industrial Innovation Award, the IMS Career Excellence Award, the IEEE HKN Eminent Member Recognition and the Vladimir Karapetoff Outstanding Technical Achievement Award, among others. He is an IEEE lifetime fellow.
6. IEEE HKN named its top award The Asad M. Madni Outstanding Technical Achievement & Excellence Award to recognize and honor his nearly 50 years of technical and philanthropic accomplishments and visionary leadership. Tau Beta Pi established a Distinguished Alumni Award and Scholarship in his honor.
7. Madni is an elected member of the National Academy of Engineering and the European Academy of Sciences and Arts, and fellow of the Royal Academy of Engineering, Canadian Academy of Engineering, National Academy of Inventors, New York Academy of Sciences, Washington Academy of Sciences, Royal Aeronautical Society IET, AIMBE, SAE, AAAS, AIAA and AAIA.
8. He has been awarded honorary degrees from Ryerson University (D.Sc.), Technical University of Crete (D.Eng.), California State University, Northridge (Sc.D.), Universiti Kebangsaan Malaysia (Ph.D.), National Chiao Tung University (Ph.D.) and Tufts University (D.Eng.). He also has been awarded seven honorary professorships.
9. In the future, Madni says he intends to “bring together engineers, scientists, and technology and business leaders to utilize our moral compass, technical prowess and human understanding to convert current challenges into opportunities for a safer and a more just society.”
10. He has 28 U.S. patents.