

## Tau Beta Pi Announces 2023 Distinguished Alumnus Award Winners

### Edward D. Basta, Brendan J. Chan, Ph.D., and H. Alan Mantooth, Ph.D., P.E.

Knoxville, TN — Tau Beta Pi, the Engineering Honor Society, has named the recipients of the 27<sup>th</sup> annual Distinguished Alumnus Award. This award recognizes alumni who have demonstrated adherence to the ideals of Tau Beta Pi and foster a spirit of liberal culture on local, national, and international levels. Each will receive a commemorative plaque and a \$2,000 scholarship will be given in the name of each winner to a deserving student member of TBP.

#### Their Biographies Follow:



In recognition of his commitment and selfless service to the Association and lifelong efforts to improving the profession, **Edward D. Basta, OH E '82**, has been named a 2023 TBP Distinguished Alumnus. He earned a B.S. degree from Cleveland State University (CSU) in metallurgical

engineering as a non-traditional student, taking night classes while working full-time and starting his young family.

His professional career began as a baseline technician with Republic Steel, and continued as head of quality at the Walker Forge company, chief metallurgist and head of QA with Concorde Castings, and lastly as a consultant for Atlas Steel. In 2001, he founded his quality assurance consulting company, QTS Consulting, before retiring in 2019. The nomination from the Ohio North Coast Alumni Chapter cited him for “being an outstanding example that all TBP members can aspire to emulate.” Mr. Basta has given back to the profession and supported professional societies through his skills, time & presence, and financial gifts. He was recognized on CSU’s website for his bequest designated “to help support non-traditional students who need funding to achieve their goals.”

Since joining TBP at CSU in 1979, he’s served as a chapter president and as a chapter advisor since 2009. Mr. Basta and his company QTS received the 2011 American Society for Metals (ASM) International Outstanding Company Support Award for “sustained, unselfish contributions to the Cleveland ASM Chapter.” He lives his life by the creed of “integrity and excellence,” and believes in “always doing the right thing, as well as doing things right.”



In recognition of his dedication to mentoring in professional and technical development and innovation in commercial vehicle safety, **Brendan J. Chan, Ph.D., MI B '03**, has been named a 2023 TBP Distinguished Alumnus. He obtained a B.S in electrical

engineering from the Michigan Technological University, as one of the first students to graduate with an engineering enterprise concentration. In 2008, he earned a Ph.D. in mechanical engineering from Virginia Tech.

He is the senior chief engineer of autonomy and active safety for Oshkosh Corporation, where he leads all business and technical development related to the core technology. Dr. Chan was recognized in his nomination for “his efforts in mentoring the next generation of engineers, research contributions, and a commitment to STEM engagement.”

A proponent of Diversity, Equity & Inclusion, Dr. Chan encourages the hiring of deserving diversity candidates at Oshkosh. He also provides coaching and mentorship to team members and helps to create inclusive developmental goals to maximize the potential of the individual and team.

For his efforts in support of the SAE Commercial Vehicle Congress and Technical Standards Board, he received the 2012 SAE Forest R. McFarland Award for outstanding contributions toward the work of the SAE EMB and for enhancing the interchange of technical information. Dr. Chan continues to proactively foster a spirit of liberal culture and holds a deep conviction that the engineering profession is about creating value at all levels for everyone.



In recognition of his illustrious research and teaching career and genuine desire to invest in and develop students, **H. Alan Mantooth, Ph.D., P.E., AR A '85**, has been named the **2023 Asad M. Madni Distinguished Alumnus\***. He earned B.S. and M.S. degrees in electrical engineering from the University of Arkansas (U of A) and focused on analog integrated circuits for his Ph.D. from the Georgia Institute of Technology.

He is a Distinguished Professor and research chair in engineering at the University of Arkansas. Known on campus for being an “excellent and engaging teacher,” Dr. Mantooth has advised or mentored 277 students to date, and been recognized with several U of A awards, including the Outstanding Mentor Award (three times) for his work with students and earned the college of engineering’s Outstanding Public Service Award in 2018.

As Chief Advisor to the AR Alpha Chapter since 2002, he was able to realize his vision of establishing a board of advisors consisting of representatives from each department of the college of engineering. During his time as an advisor, the chapter has also won several awards, including the TBP Chapter Excellence Award, *with distinction*, in 2017.

Nominator Heather L. Walker, Ph.D., AR A '89, highlighted two things that stand out when working with Dr. Mantooth: From the start, he develops students as leaders, from having chapter officers over for dinner to explaining the importance of officer transitions. Second, he prioritizes TBP, even as one of the busiest people in the COE. It is clear that involvement with the Association is something he’s very proud of.

Dr. Mantooth has a distinguished record of volunteering as IEEE past-president, U of A electric boat advisor, and giving tours of his high-power lab to 10,000 K-12 students. These are just a few examples of his unselfishness, professionalism, and exemplary character making Dr. Mantooth the ideal recipient of this award.

*\* Dr. Mantooth is the first recipient of the Asad M. Madni Distinguished Alumnus Award. Dr. Madni, CA E '69, made a gift to permanently endow an annual Distinguished Alumnus Award.*