I am pleased to present the inaugural issue of the Journal of Student Research. The Grove School of Engineering (GSOE) has emerged as the leading public institution for engineering education in New York City. Our students come from all corners of the globe to pursue their dream of becoming successful engineering professionals with lifelong careers.

Each year, smart and enthusiastic students are encouraged to join research laboratories to explore the frontiers of engineering and science. In this volume, you will be introduced to some of the GSOE’s brightest rising stars. Along with outstanding academic performance, these students have demonstrated their commitment to engineering through innovative hands-on research. The Journal of Student Research features student research papers along with their personal profiles, lending insight into their lives beyond the lab. Their faculty mentors are also highlighted, for their advice and guidance enable our students to persist through numerous difficulties and complete these challenging inquiries.

The Journal of Student Research also provides a forum for discussion on the role of research in engineering education, best practices in engineering pedagogy, and effective approaches to nurturing tomorrow’s engineers.

Students’ success—and the importance of research to that success—is showcased in The Journal of Student Research. In very large measure, we are able to provide stellar undergraduate research experiences like these because of the generous support of alumni like Andrew Grove and Harvey Kaylie, as well as other sources of private and public funding. We believe that with the enthusiastic involvement of faculty and alumni, GSOE students will be able to meet the highest standards in engineering education, and prepare for distinguished careers in engineering fields.

Sincerely,

Joseph Barba, Dean