With the rise of the internet, education has been eager to adopt its associated technologies to advance pedagogical techniques and learning to an ever-increasing pool of students. Teaching and learning are no longer confined to bricks-and-mortar institutions like schools, workplaces, and libraries. Online learning is increasingly seen as a mainstream and cost-effective way to bring education to people who otherwise might have difficulty accessing education through traditional, 20th century means. Students who find significant benefits in online education include those who live in remote parts of the world, where travel to the nearest education institution is difficult or expensive, full-time workers who do not have easy access to after-hours classes, or who travel frequently and thus are not in one place long enough to attend a full education program, military personnel on deployment at remote bases or at sea, the disabled or house-bound, and the incarcerated.

In the past 20 years, distance education has given way to online education, and has experienced explosive growth in many fields, such as business and economics, liberal arts, and some sciences. In the field of engineering, there has been gradual growth in online education, especially at the Master’s and Engineering-Technology levels.

The International Journal of Innovation in Online Education is pleased to call for papers for a special issue showcasing new ideas and techniques for teaching engineering online. Submissions are sought from all areas where engineering is taught, such as college-level at associate, undergraduate, and masters programs; and also industry-specific training programs, such as automotive, aerospace, electronics, or manufacturing.

DEADLINE
The submission deadline is November 30, 2019

POTENTIAL TOPIC INCLUDE:
- Descriptions and performance of new online programs in engineering
- Virtual or augmented reality and haptics in engineering education
- Interactive learning-ware for engineering
- Practical and laboratory techniques for online students, such as residential classes, at-home kits or experiments, and remote laboratories
- Web-conferencing for online classes in real time
- Capstone projects and online students
- Project-based and problem-based learning online
- Online courses for industrial training, including difficult-to-teach areas such as working in hazardous environments
- Innovative infrastructure for online engineering programs (libraries, learning-management systems, assessment, etc.)
- Satellite campuses
- Student experiences and perceptions of online engineering programs
- Collaborative learning and teamwork among online students
- Accreditation and quality assurance of online programs
- Integrating online and on-campus student cohorts

The publisher is Begell House, Inc.: http://onlineinnovationsjournal.com/
Contact Dr. John Long, Deakin University, john.long@deakin.edu.au with questions regarding submissions.