



UNH-IOL NeXt: Calling for student-led multi-disciplinary proposals

Promoting cross disciplinary networking for the next generation of engineers and scientists

Up to \$10,000 available toward a student-led project!

What is IOL NeXt?

The UNH Interoperability Lab (UNH-IOL) is pleased to announce **IOL NeXt**, which seeks to promote the exploration of new ideas leveraging emerging concepts in networking, cloud computing, cyber-physical systems, advanced manufacturing, the internet of things, and other emerging areas.

The IOL has served as a conduit for students to connect with industry and apply academic learnings to real-world scenarios and by establishing long-term projects through the IOL NeXt program, a stronger bridge to the future will be established, with greater ties to academic research faculty and UNH resources.

Projects funded must be either in fulfillment of:

- One or more participating student's senior project.
- One or more participating students master project and/or thesis.
- Work toward a conference or journal publication.
- Work toward a contribution to a standard's organization.

Projects must:

- Be student driven efforts with IOL staff, one or more companies, and UNH faculty involvement.
- Have no fewer than two students, at least four are recommended (25% of involved students must be IOL employees).
- Be multi-disciplinary: student, staff, and/or faculty participation from at least two of areas, such as: Paul College, EE/CE, CS/IT, ME, CivE, ECRC, CAMMI, John Olson Adv.Manu. Center, etc

Application Process

IOL NeXt funding must be applied for by student driven teams, seeking to pursue a topic utilizing emerging next generation networking capabilities.

Proposal Requirements:

- Proposals must outline the industry focus, scope of activity, purpose, goals, and objectives of the project.
- Descriptions should include the relevance and impact to the industry, timeline, and deliverables.
- Proposals must identify one or more companies that the project will engage with, either through using equipment/solutions from the company, teaming with personnel from the company, or similar support.
- Proposals must have at least one UNH faculty member involved, and must document how the proposal meets the multidisciplinary requirement.
- Must identify if the proposed project is in partial or complete fulfillment of a senior project, master project/thesis, and if the team expects to produce one or more conference or journal papers, standard's contribution, and/or UNH URC or GRC posters.
- Proposals must include a budget and expense justification.
- Must identify if it is a new project, or the continuation of a previous project. Continuation projects are encouraged.
- Proposals should identify opportunities for continuation next steps should the project be awarded.



Proposals must be submitted to the IOL Strategic Research Task Force at research@iol.unh.edu