Building on the success of the inaugural industryXchange from last spring and positive feedback received from industry, we are excited to announce this year’s event focusing on the theme of Enhancing Health on May 14 at The Penn Stater.

To present a holistic picture of Penn State’s expertise and capabilities to the industry, we are expanding this year’s event to include faculty across colleges and campuses within Penn State. We are also inviting government agencies to enable you to explore joint proposal submission opportunities with industry.

The topics below have been planned for the afternoon panel discussions.

1. **Data Analytics and Machine Learning:** Technology/analytics that help to not only predict epidemics and cure diseases, but to also standardize care and improve quality of life.

2. **3-D Printing/Bio-manufacturing:** Medical applications of additive manufacturing technology.

3. **Autonomous Vehicles:** Technological developments that help to virtually eliminate deaths and injuries due to car accidents, to enabling ambulances to respond faster and more efficiently.

4. **Regenerative Medicine:** Technological developments that potentially help provide cures for diseases that were once thought to be incurable.

5. **Bio-medical Imaging/Diagnostic Technology:** New diagnostic non-invasive technological developments that potentially decrease the need for surgeries and develop new treatment methods for diseases.

6. **Immunotherapy:** Technological developments that could lead to treatments to train the body’s own immune system.

7. **Wearables and Mobile Devices:** Technological developments that potentially could shift the focus from disease treatment to prevention.

8. **Drug Delivery:** Technological developments that could potentially reach current undruggable targets, cross blood brain barrier, or provide a localized versus systemic effect.

9. **Bio-mechanics:** Technological developments enabling faster healing of the body to correct it to its natural structure.

For more information or to register, visit [www.engr.psu.edu/industryxchange2018](http://www.engr.psu.edu/industryxchange2018)