

## Research and Industry-Academia Cooperation of Shizuoka University

*Thursday, 24 November 2022 13:00 (30 minutes)*

First, the current state of national universities in Japan will be explained. On top of that, we will discuss the future direction of local universities in Japan, where declining birthrate and population continue. Even for local universities, having strengths is important to promote research and industry-academia collaboration for survival.

Shizuoka University's Hamamatsu Campus will celebrate its 100th anniversary next year. In 1926, Dr. Kenjiro Takayanagi of Hamamatsu Technical School, the predecessor of Shizuoka University's Faculty of Engineering, invented an all-electronic television system. Since then, Shizuoka University has consistently continued imaging research, creating various innovations and contributing to society. In 1965, the Institute of Electronics was established at Shizuoka University to commemorate Dr. Takayanagi's achievements. For Shizuoka University, this applied photonics research centered on imaging technology is the research potential that distinguishes it from other institutions. So far, we have achieved practical 8K image sensors, detectors for high-energy rays such as X-rays, development and application of continuous-wave terahertz light sources, development of high-fidelity color reproduction technology, and development of sensors for medical measurement.

In addition, Shizuoka University is focusing on creating university-initiated startups as one way of giving back to society through university education and research. So far, there have been 43 startups from Shizuoka University, creating more than 700 jobs. Several startups have begun to produce results through M&As and listings, and the impact of Shizuoka University startups is drawing attention from society. Shizuoka University will establish an innovation ecosystem by leveraging our strength in imaging technology.

### Topics

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