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Symposium (Oral) | Symposium | To accelerate social implementations of applied-physic technologies related to integrated circuits

## [14p-A304-1~9]To accelerate social implementations of applied-physic technologies related to integrated circuits

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Sat. Mar 14, 2020 1:30 PM - 5:30 PM A304 (6-304)

△ : Presentation by Applicant for JSAP Young Scientists Presentation Award

▲ : English Presentation

▼ : Both of Above

No Mark : None of Above

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1:35 PM - 2:00 PM

## [14p-A304-2]Simultaneous crisis of innovation and science in Japan - Is there a way to escape?

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Keywords:paradigm disruptive innovation, innovation diagram, SBIR

How has the simultaneous crisis of innovation and science of Japan in the 21st century occurred? I analyze it by returning the source of innovation. I have found that there is a two-dimensional structure in the innovation and that the most important one is "paradigm disruptive innovation". After the "end of the era for the large corporate research laboratories" which occurred globally in the 1990s, the United States introduced a new innovation model to create "paradigm destructive innovation" by introducing SBIR (Small Business Innovation Research) Program, and successfully reconstructed the innovation ecosystem. On the other hand, Japan neglected policy insights into the source of innovation, failed to build innovation ecosystems, and "drifted". That "drift" has spread to this simultaneous crisis. How can we reconstruct the innovation ecosystem to escape from this simultaneous crisis? Based on the innovation diagram, I propose concrete prescription.