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

[11p-Z16-1~10]To accelerate social implementations of applied-physic technlogies related to integrated circuits

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△：Presentation by Applicant for JSAP Young Scientists Presentation Award

▲：English Presentation

▼：Both of Above

No Mark：None of Above

1:35 PM - 2:00 PM

[11p-Z16-2]The Simultaneous Crisis of Innovation and Science in Japan -- Is there a way out of this?

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Keywords:paradigm disruptive innovation, innovation ecosystem, innovation diagram

How did the simultaneous crisis of innovation and science occur in 21st century Japan? I analyze this by going back to the sources of innovation. After "the end of the era of central research laboratories" worldwide in the 1990s, the United States adopted a policy called SBIR program to create “paradigm disruptive innovation” and rebuilt the innovation ecosystem. On the other hand, Japan failed to build an innovation ecosystem and "drifted", lacking policy insight into the source of innovation. The "drift" spread to the decline of Japanese scientific activities in the 21st century, and developed into this simultaneous crisis. How can the innovation ecosystem be reconstructed to escape from this simultaneous crisis? I propose a specific prescription based on the innovation diagram.