

Enhance presence as a researcher

in the world

Hiroshi Sawada

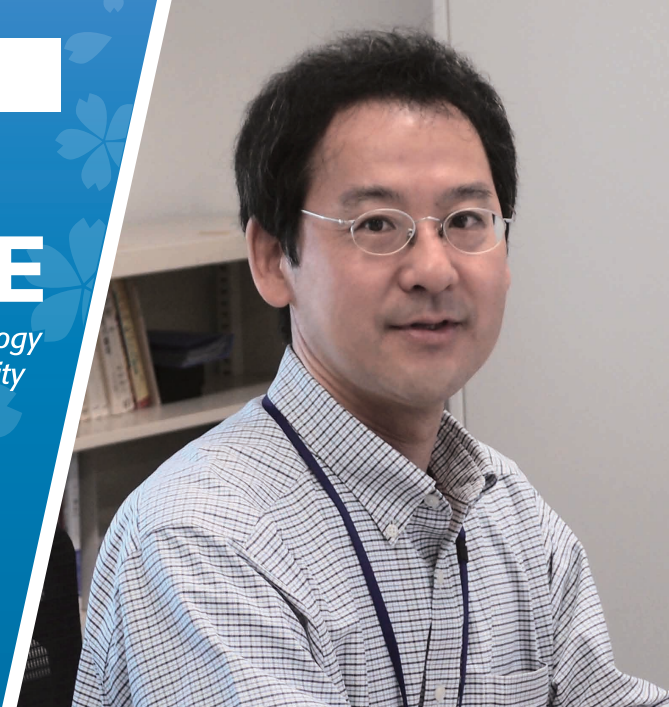


【Career】

Receives his B.S. in Information Engineering and his M.S. in Information Engineering in Kyoto University in 1991 and 1993 respectively. D. in Informatics from Kyoto University in 2001. He joined Nippon Telegraph and Telephone Corporation (NTT) in 1993. Since then, he has been engaged in research on VLSI design technology and computer architecture, signal processing technology (acoustic signal separation technology), and machine learning technology (multi-dimensional data analysis technology) at NTT Communication Science Laboratories and Service Evolution Laboratories. He is currently a Senior Distinguished Researcher at NTT Communication Science Laboratories, a Fellow of the Institute of Electronics, Information and Communication Engineers, and a member of Acoustical Society of Japan.

【The current research】

Along with research on blind sound source separation of sound signal, he is interested in other data analysis than sound signal and research on machine learning. As he needs various kinds of data, he is actively involved in collaboration with other researchers of different fields.



What brought you to IEEE?

I became a member of the IEEE when I achieved some results related to signal processing and had an opportunity to give a presentation at ICASSP (International Conference on Acoustics, Speech, and Signal Processing), which is a flagship international conference of IEEE SPS (Signal Processing Society). I had known about IEEE but not had a strong relationship between IEEE and my previous research community. Changing my subject to signal processing made me close to IEEE, which is one of the reasons I joined IEEE.

What is great about IEEE?

『International conferences where you can discuss with researchers from all over the world and papers referred to』

International conferences are a precious platform where you can share your study just before finishing it. Specialists from all over the world come to have discussions, which situation surely improves one's study and research. Of course, listening to other presentations, which are often related to our own subject, stimulate us.

When a study or research is finalized in a good shape, I submit the paper to a journal; here, my study often gets notable both at an international conference and in a journal for the name of "IEEE" and such a paper of mine is likely to be referred to. It's one of the greatest points of IEEE that we can make our well-written papers known in the world.

『Committee activities to build connections and improve skills』

I'm serving as a research specialist for international conferences and as an editor for academic journals, where I have developed relationships and objective perspectives, which have helped my career grow.

In an international conference, members specializing in a specific theme come to discuss various issues, and thus you can get to know such world-leading people and gain their insight.

As an editor of a journal, I often read and understand various peer reviews and their objective feedback, which help me write my own. I myself often read papers as a reviewer and objectively review them to find how they are clear about the outcome and which parts are difficult to understand and should be improved, which help me when I submit paper as a researcher.

Relationship between a company and IEEE

The company I work for is actively involved in activities of IEEE and makes it easy for employees to join such initiatives.

At the ICASSP I mentioned before, there is a "Student Career Luncheon" event, where we introduce companies to students and we have students come to our booth and talk about things

such as finding a job.

The link between activities of IEEE and business at our company was carried over by our forerunners and is to be carried over to our followers, where more employees and researchers can be active at international conferences, journals and committee activities. I think this helps human resources get enhanced, leading to improving the whole organization.

Why you should join IEEE as well

At IEEE, we can share our research with more people, followed by other researchers in the world to develop it, which creates a good loop. You can show your presence along with research, so I encourage researchers to join IEEE.

I myself competed with members from various companies I had gotten to know at an international conference of IEEE regarding to signal processing, and finalized the research in the end. The whole process was initiated over a meal after the conference, and it lasted for 10 years.

If I had not joined IEEE, I would've not been able to enjoy my research like this.

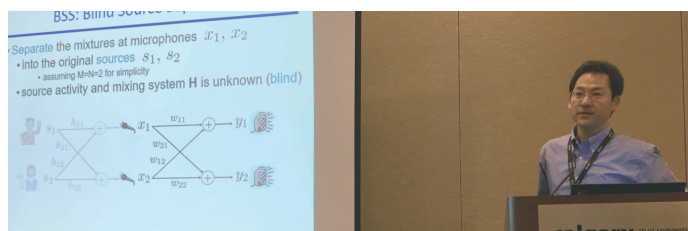
【Message】

– Connect others locally, share it with the world, at IEEE

It's not over the top to say that IEEE is the largest academic society in the world; joining this society will be a door to another world. In other words, without such a door, it's difficult to enter such a world.

We have so many activities nationwide and sometimes locally, where you can meet local researchers. It's so advantageous that you can participate in domestic and international activities at the same time here.

The more members we have, the more people we make friends with, and the more possibilities one can have; let's join us at IEEE!



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