

Media Release

For Immediate Release

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A*STAR'S INSTITUTE FOR INFOCOMM RESEARCH RESEARCHER IS CONFERRED 2016 IEEE FELLOWSHIP

Dr. Sun Sumei is the first Singaporean female to be conferred IEEE Fellowship and is recognised for achievements in Advanced Wireless Communications Systems

1. Singapore, 19 January 2016 – Dr. Sun Sumei, a researcher from A*STAR's Institute for Infocomm Research (I²R) in Singapore, has been named a Fellow of the Institute of Electrical and Electronics Engineers (IEEE). This is the first time a female Singaporean has been named as an IEEE Fellow. Dr. Sun is being recognized for her research in advanced wireless communications systems.
2. The IEEE Grade of Fellow is conferred by the IEEE Board of Directors upon a person with an outstanding record of accomplishments in any of the IEEE fields of interest. The total number selected in any one year cannot exceed one-tenth of one-percent of the total voting membership. IEEE Fellow is the highest grade of membership and is recognized by the technical community as a prestigious honor and an important career achievement.
3. Dr. Sun's key research focus has been on advanced wireless communication systems since the 1990s. Dr. Sun has authored and co-authored more than two hundred technical papers in IEEE journals and conferences. Many of her inventions have been adopted by industry for application in 3G/4G cellular and high-throughput Wi-Fi systems. Her significant contributions to bridging theory and implementation, academia and industry, have also been recognized with the A*STAR Scientist-Entrepreneur Award in 2008, the Royal Society of Engineering's Distinguished Visiting Fellowship in 2014, amongst others. Her current interest lies in cognitive communications for connected society as well as for machines and things, and 5G systems.

4. Dr Sun Sumei, Head of I²R's Advanced Communication Technology Department said "Wireless communications have gone through many exciting developments over the last three decades and have significantly changed the way we connect with people, and acquire and share information. I am very happy to have had the opportunity be part of it, to research and innovate and have our technologies deployed by industry. I am pleased, honoured and humbled to be elevated to an IEEE Fellow. I also hope that this will encourage more of the young generation to join us for even more exciting development in wireless communication to connect not only people, but also things and machines, for a connected community and sustainable development."

5. The IEEE is the world's leading professional association for advancing technology for humanity. Through its 400,000 members in 160 countries, the IEEE is a leading authority on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics.

6. Dedicated to the advancement of technology, the IEEE publishes 30 percent of the world's literature in the electrical and electronics engineering and computer science fields, and has developed more than 900 active industry standards. The association also sponsors or co-sponsors nearly 400 international technical conferences each year. Please visit www.ieee.org for more information about IEEE or the IEEE Fellow Program.

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About the Agency for Science, Technology and Research (A*STAR)

The Agency for Science, Technology and Research (A*STAR) is Singapore's lead public sector agency that spearheads economic oriented research to advance scientific discovery and develop innovative technology. Through open innovation, we collaborate with our partners in both the public and private sectors to benefit society.

As a Science and Technology Organisation, A*STAR bridges the gap between academia and industry. Our research creates economic growth and jobs for Singapore, and enhances lives by contributing to societal benefits such as improving outcomes in healthcare, urban living, and sustainability.

We play a key role in nurturing and developing a diversity of talent and leaders in our Agency and Research Institutes, the wider research community and industry. A*STAR oversees 18 biomedical sciences and physical sciences and engineering research entities primarily located in Biopolis and Fusionopolis.

For more information on A*STAR, please visit www.a-star.edu.sg.

About Institute for Infocomm Research (I²R)

The Institute for Infocomm Research (I²R pronounced as i-squared-r) is a member of the Agency for Science, Technology and Research (A*STAR) family and is Singapore's largest ICT research institute. Established in 2002, our vision is to power a vibrant and strong infocomm ecosystem in Singapore. We seek to foster world-class infocomm and media research and develop a deep talent pool of infocomm professionals to power a vibrant knowledge-based Singapore. At I²R, intelligence, communications and media form our three strategic thrusts. Our research capabilities are in shared sensor networks, public-public/public-private data-sharing platform, big data analytics and visualisation solutions.

For more information about I²R, visit www.i2r.a-star.edu.sg.