

SSCS Switzerland New High-Grade Member Award Ceremony

The IEEE Solid-State Circuits Society (SSCS) Switzerland Chapter organized a professional meeting on the occasion of the elevation of new high-grade Members, including the IEEE 2019 Fellows, IEEE Life Senior Members, IEEE Senior Members, and IEEE Life Members. The event took place in Neuchatel, Switzerland, at the École Polytechnique Fédéral de Lausanne. The following SSCS Switzerland Chapter member was elevated to Fellow in 2019:

- Christian Enz: "For contributions to low-power analog circuit design." In addition, Enz was presented a past Chapter chair token for leading the SSCS Switzerland Chapter from December 1999 to November 2017 and reunifying the country's two Chapters in 2009. Also noted were the contributions he made to the Society by serving on the Administrative Committee from 2012 to 2014.

Two Chapter participants were made Life Senior Members:

- Pinchas Novac, senior expert design engineer, EM Microelectronic, has been part of the Chapter for 39 years, providing expertise in watch circuits and sensor interfaces, for which he was granted several patents.
- Walter Vollenweider worked as a semiconductor engineer in radio communications before transitioning to fire detection.

Two Chapter participants were elevated to Senior Member:

- Dr. Alessandro Marchioro is manager of the Microelectronics Group, Electronic Systems for Experiments Group, European Organization for Nuclear Research.
- Dr. René Zingg joined the IEEE during the 1980s while completing his Ph.D. degree in the United States. He worked in process development in Germany, The Netherlands, and Switzerland and in 2008 founded Zinan Technologies, a yield, quality, and reliability consulting firm in the fields of semiconductors and microelectromechanical systems.

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(From left): Michel Bron, Walter Vollenweider, Dr. René Zingg, and Pinchas Novac are recognized during the ceremony.



David Stoppa describes his SSCS experience during a video interview.



Hugo Wyss discusses his outreach contribution.

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consulting firm in the fields of semiconductors and microelectromechanical systems.

Finally, the Chapter recognized two appointments to Life Member:

- Michel Bron joined the IEEE in 1974 while studying at the Ecole Polytechnique Fédérale de Lausanne. During his 40 years as an IC designer and manager at three companies, he coauthored three papers in SCCS publications highlighting innovative projects. He joined the SSCS Switzerland Chapter in 2019 to promote participation of engineers from industry and academia in events of interest to designers as IC circuit continuous education.
- Dr. David Stoppa, senior director, Time-of-Flight Division, Austria Microsystems, provided the Chapter with a video interview, reflecting on his senior membership, in which he described his experience with the SSCS, from the professor who motivated him to join to his commitments as an associate editor, reviewer, Conference Committee member, and Distinguished Lecturer.



Dr. Mathieu Coustans (left) is recognized as a past chair.

In addition, Hugo Wyss was awarded a certificate of recognition for his historical outreach through the paper “Pioneering Work on Low-Power, Low-Voltage CMOS Technology and Design Performed in Switzerland, 1966–1980,” presented at the Region 8 History of Electrotechnology Conference in Glasgow in 2019. For rein-

stating the SSCS Switzerland Chapter, Dr. Mathieu Coustans was awarded a past chair pin and a certificate of appreciation. Following the ceremony, attendees gathered at a roof-top lounge for the social program.

—Taekwang Jang, Michel Bron,
and Mathieu Coustans

Three San Diego Seminars in Winter

The IEEE Solid-State Circuits Society (SSCS) San Diego Chapter hosted three winter seminars at the Qualcomm campus in San Diego, California. On 6 December 2019, IEEE Antennas and Propagation Society Distinguished Lecturer Prof. Carey Rappaport, Northeastern University, presented a seminar, “Multistatic 3D Whole-Body Millimeter-Wave Imaging for Explosive Detection,” which covered commonly seen millimeter-wave imagers used at the airport security line. He explained the fundamentals of monostatic and multistatic radar systems, discussing their merits and limitations. He showed how combining a synthetic aperture with a focusing reflector



Prof. Carey Rappaport (second from left) joins San Diego Chapter officers Alvin Loke (left), Mohamed Abouzied, and Albert Chou for an oceanside lunch.

system could be used to stack 2D images to reconstruct the 3D geometry of an object with eliminated dihedral artifacts. These artifacts

are the reason we currently have to stand with our hands up and feet apart. He then discussed the use of wideband radar to detect

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