

IEEE Consumer Technology Society Awards Presented at ICCE 2022

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■ **THE IEEE CONSUMER** Technology Society (CTSoc) would like to congratulate the following winners of various awards that were presented at the flagship conference of the society, ICCE 2022, on January 7-9, 2022.

2022 IEEE MASARU IBUKA CONSUMER ELECTRONICS AWARD

This award was established by the IEEE Board of Directors in 1987 to recognize outstanding contributions in the field of consumer electronics technology. The award is named in honor of Dr. Masaru Ibuka, Honorary Chairman and Co-Founder of Sony Corporation, whose innovative achievements and

leadership in state of the art have been an inspiration to several generations of electrical, electronics, and computer engineers. Recipients of this award received a bronze medal (see Figure 1), a certificate and an honorarium. The 2022 Ibuka Award was conferred to the following.

Peter Dillon and Albert Brault (Kodak Research Labs): For contributions to the development of image sensors with integrated color filter arrays for digital video and still cameras. The Award was presented to the winners by Kathy Land, IEEE Past President 2021.

2021 IEEE CONSUMER TECHNOLOGY SOCIETY CORPORATE INNOVATION & LEADERSHIP AWARD

The organization had also contributed to the IEEE Consumer Technology Society's (CTSoc)

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Figure 1. Medal for the IEEE Masaru Ibuka consumer electronics award.

service to the public and members. This award recognizes an organization that has demonstrated outstanding innovation and leadership in consumer technology. The recipient for 2021 is the following. The Award was established in 2019.

Messe Berlin GmbH: For leadership in organizing the most significant international trade shows for consumer and home electronics products, technology, and innovation. The Award was presented to Messe Berlin GmbH by Wahab Almuhtadi, IEEE CTSoc President.

2021 IEEE CONSUMER TECHNOLOGY SOCIETY DISTINCTIVE AND EXEMPLARY INDUSTRY LEADER AWARD

This award recognizes a distinctive and exemplary industry executive whose leadership has made a significant impact globally and who has led preeminent and extraordinary advancements in consumer technology. The recipient for 2021 is the following.

This Award was established in 2019. George Perlegos (Founder of Atmel Corporation): For his leadership in chip design and fabrication process inventions used in EPROM, EEPROM, and flash memory devices as instrumental in the ubiquity of

nonvolatile memory. The Award was presented to the George Perlegos by Wahab Almuhtadi, IEEE CTSoc President.

IEEE CONSUMER TECHNOLOGY SOCIETY CHESTER SALL AWARDS IN 2020

The awards recognize the best papers published in the *IEEE Transactions on Consumer Electronics (TCE)* for a specific year. The three best papers were selected from the TCE papers published in 2020.

- 1) First Place: Dongsheng Yang, Xiaoting Gao, Liang Kong, Yongheng Pang, and Bowen Zhou, "An event-driven convolutional neural architecture for non-intrusive load monitoring of residential appliance," *IEEE Transactions on Consumer Electronics*, vol. 66, no. 2, pp. 173–182, May 2020.
- 2) Second Place: Prasenjit Chanak and Indrajit Banerjee, "Congestion free routing mechanism for IoT-enabled wireless sensor networks for smart healthcare applications," *IEEE Transactions on Consumer Electronics*, vol. 66, no. 3, pp. 223–232, Aug. 2020.
- 3) Third Place: Masaaki Yamauchi, Yuichi Ohsita, Masayuki Murata, Kensuke Ueda, and Yoshiaki Kato, "Anomaly detection in smart home operation from user behaviors and home conditions," *IEEE Transactions on Consumer Electronics*, vol. 66, no. 2, pp. 183–192, May 2020.

The Awards were presented to the winners by Wen-Chung Kao, IEEE CTSoc President-Elect and VP Publications.

IEEE CONSUMER ELECTRONICS MAGAZINE AWARDS IN 2021

The awards recognize the best papers published in the *IEEE Consumer Electronics Magazine (MCE)* for a specific year. The three best papers were selected from the MCE papers published in 2021.

- 1) First Place: Keping Yu, Liang Tan, Xinglin Shang, Junjie Huang, Gautam Srivastava, and Pushpita Chatterjee, "Efficient and privacy-preserving medical research support platform against COVID-19: A blockchain-based approach," *IEEE Consumer Electronics Magazine*, vol. 10, no. 2, pp. 111–120, Mar. 2021.

- 2) Second Place: Pasika Ranaweera, Madhusanka Liyanage, and Anca Delia Jurcut, "Novel MEC based approaches for smart hospitals to combat COVID-19 pandemic," *IEEE Consumer Electronics Magazine*, vol. 10, no. 2, pp. 80–91, Mar. 2021.
- 3) Third Place: Ruhul Amin Khalil, Nasir Saeed, Mohammad Inayatullah Babar, and Tariqullah Jan, "Toward the Internet of Underwater Things: Recent developments and future challenges," *IEEE Consumer Electronics Magazine*, vol. 10, no. 6, pp. 32–37, Nov. 2021.

The Awards were presented to the winners by Wen-Chung Kao, IEEE CTSoc President-Elect and VP Publications.

IEEE CONSUMER TECHNOLOGY SOCIETY APPRECIATION AWARDS FOR 2022

The awards recognize a CTSoc volunteer who has provided outstanding service to IEEE ICCE 2022. The recipients for 2022 are the following.

Ibrahim Gedeon (General Chair), Jong-Moon Chung (General Co-Chair), Stefan Mozar (Executive Conference Chair), Sangheon Pack (Technical Program Chair), Chih-Peng Fan, Srinivas Katkoori (Technical Program Co-Chairs), Reinhard Moeller (Awards Chair), Gordana Velickic (Tutorials Chair), Lucio Ciabattoni (Publications Chair), Fawzi Behmann, Michael Isnardi (Industry Program Co-Chairs), Akihiko Ken Sugiyama, Aldo Morales (Industry Sessions/Panels Co-Chairs), Haruhiko Okumura (Patronage Co-Chair), Mahsa Pourazad (Keynote Chair), Stu Lipoff (Operation Committee Chair), Brian Markwalter (Finance Chair), Konstantin Glasman (Media and Publicity Chair), Kazuyuki Kojima, Mohd Anuaruddin Bin Ahmadon (Web Masters), Wahab Almuhtadi (CTSoc President), Raed Abdullah (CTSoc VP Conferences), Branislav Djokic (CTSoc Treasurer), Charlotte Kobert (CTSoc Administrator), Shingo Yamaguchi (2021 Executive Conference Chair), and Wen-Chung Kao (2020 General Chair)