

## IEEE DENNIS J. PICARD MEDAL FOR RADAR TECHNOLOGIES AND APPLICATIONS RECIPIENTS

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| 2022 | MOENESS G. AMIN (LFIEEE)—<br>Director, Center for Advanced<br>Communications, College of<br>Engineering, Villanova<br>University, Villanova,<br>Pennsylvania, USA | “For contributions to radar signal processing across<br>a wide range of applications including through-the-<br>wall imaging and health monitoring.”                 |
| 2021 | SIMON HAYKIN (FIEEE)—<br>Emeritus Professor,<br>Department of Electrical and<br>Computer Engineering,<br>McMaster University, Ontario,<br>Canada                  | “For contributions to the development of the theory<br>and practice of radar, especially cognitive radar<br>and adaptive filtering.”                                |
| 2020 | JOSEPH R. GUERCI<br>President/CEO, Information<br>Systems Laboratories, Inc., La<br>Jolla, California, USA  | “For contributions to advanced, fully adaptive radar<br>systems and real-time knowledge-aided, and<br>cognitive radar processing architectures.”                    |
| 2019 | RICHARD KLEMM<br>Retired Professor, Fraunhofer<br>Institute for High Frequency<br>Physics and Radar Techniques,<br>Muenchen, Germany                              | “For contributions to high-resolution radar,<br>adaptive clutter suppression, and publications for<br>the international radar system community.”                    |
| 2018 | MARK EDWARD DAVIS<br>Consultant, Medavis<br>Consulting, Prospect, New<br>York, USA  | “For technical contributions to advanced aerospace<br>multifunction microwave and foliage penetration<br>radars, and for leadership within the radar<br>community.” |
| 2017 | HUGH GRIFFITHS<br>Professor, University College<br>London, London, United<br>Kingdom  | “For technical leadership and exceptional<br>contributions to multistatic radar.”   |
| 2016 | NADAV LEVANON<br>Professor, Tel Aviv University,<br>Tel Aviv, Israel  | “For contributions to radar signal design and<br>analysis, pulse compression, and signal<br>processing.”  |
| 2015 | MARSHALL GREENSPAN<br>Senior Consulting Systems<br>Engineer, Northrop Grumman,<br>Norwalk, Connecticut, USA   | “For contributions to the development of multiple<br>phase-center airborne surface surveillance and<br>targeting radars.”   |
| 2014 | YURI ABRAMOVICH<br>Principal Research Scientist,<br>WR Systems Ltd., Fairfax,<br>Virginia, USA  | “For seminal contributions to adaptive radar signal<br>processing algorithms and Over-The-Horizon<br>Radar.”  |

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| 2013 | MICHAEL C. WICKS<br>Professor of Electrical<br>Engineering, Ohio Scholar for<br>Sensor Exploitation and Fusion,<br>Distinguished Research<br>Scientist University of Dayton<br>Research Institute, University<br>of Dayton, Dayton, OH USA | "For leadership and developments in fully adaptive<br>radar, advanced space-time adaptive processing<br>(STAP), knowledge-based signal processing, and<br>waveform diversity."  |
| 2012 | KARL GERLACH<br>(Retired) Head, Advanced<br>Signal Processing Section,<br>Radar Division, US Naval<br>Research Laboratory,<br>Chesapeake Beach, MD, USA  | "For contributions to radar signal processing,<br>clutter modeling, and electronic protection."   |
| 2011 | JAMES HEADRICK<br>Annuitant, Naval Research<br>Laboratory, Research Engineer,<br>Stanfield, OR, USA  | "For pioneering the international effort to develop<br>high-frequency over-the-horizon radar, combining<br>extraordinary skills in electronics, antenna theory,<br>electromagnetic wave propagation and hands-on<br>experimentation." |
| 2010 | ALFONSO FARINA<br>Director of the Integrated<br>Systems Analysis Department,<br>SELEX Sistemi Integrati,<br>Rome, Italy  | "For continuous, innovative, theoretical and<br>practical contributions to radar systems and<br>adaptive signal processing techniques."   |
| 2009 | PHILIP M. WOODWARD<br>Retired Deputy Chief Scientific<br>Officer, Royal Radar<br>Establishment,<br>Malvern, United Kingdom   | "For pioneering work of fundamental importance in<br>radar waveform design, including the Woodward<br>Ambiguity Function, the standard tool for waveform<br>and matched filter analysis."   |
| 2008 | YAAKOV BAR-SHALOM<br>Professor, University of<br>Connecticut,<br>Storrs, CT, USA   | "For contributions to techniques for radar target<br>tracking in clutter."  |
| 2007 | RUSSELL K. RANEY<br>Johns Hopkins University<br>Applied Physics Laboratory,<br>Space Department<br>Laurel, MD, USA   | "For innovation and technical leadership in the<br>implementation and application of earth-observing<br>and planetary radars."  |
| 2006 | ELI BROOKNER<br>Principal Engineering Fellow,<br>Raytheon Corporation,<br>Sudbury, MA, USA   | "For pioneering contributions to phased array radar<br>system designs, to radar signal processing designs,<br>and to continuing education programs for radar<br>engineers."   |

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| 2005 | WILLIAM J. CAPUTI, JR.<br>Independent Consultant,<br>Centerport, NY, USA                                      | "For conception and development of innovative range and Doppler bandwidth reduction techniques used in wide-band radars and high resolution synthetic aperture radars."                       |
| 2004 | DAVID ATLAS<br>Distinguished Visiting Scientist<br>NASA Goddard Space Flight<br>Center,<br>Greenbelt, MD, USA | "For exceptionally outstanding leadership and significant individual technical contributions to the application of radar for the observation of weather and other atmospheric phenomena."     |
| 2003 | WILLIAM SKILLMAN<br>Consultant<br>Westinghouse Electric<br>Baltimore, MD, USA                                 | "For pioneering work in pulse Doppler radar design and its utilization for airborne early warning radar systems."   |
| 2002 | DAVID BARTON<br>ANRO Engineering, Inc.<br>Hudson, MA, USA   | "For contributions to radar system design and analysis, the publication of definitive radar reference books, and to the exchange of radar technology information internationally."            |
| 2001 | FRITZ STEUDEL<br>Independent Consultant,<br>Pocasset, MA, USA   | "For outstanding leadership, technical contributions and the implementation of innovative concepts in the design, development and deployment of large, wide-band phased array radar systems." |
| 2000 | MERRILL SKOLNIK<br>Naval Research Laboratory<br>Washington, DC, USA   | "For outstanding leadership of Navy radar research, authorship of widely used books on radar, and personal contributions to the advancement of radar technology and systems."                 |