

**Plenary 4: Brave New Brain-Tech: IEEE Neuroethics Program Development of Guidelines for Use of Neurotechnologies in Practice, Saturday 16 November 2019**

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James Giordano, PhD, MPhil, is Professor of Neurology and Biochemistry, Chief of the Neuroethics Studies Program, and Chair of the Subprogram in Military Medical Ethics at Georgetown University Medical Center, Washington, DC, USA. Prof. Giordano chairs the IEEE Brain Initiative Neuroethics Subprogram, and is a senior member of the Neuroethics, Legal and Social Issues Advisory Panel of the Defense Advanced Research Projects Agency (DARPA). As well, he is Distinguished Visiting Professor of Brain Science, Health Promotions, and Ethics at the Coburg University of Applied Sciences, Germany, and was formerly Fulbright Visiting Professor of Neuroscience and Ethics at the Ludwig Maximilians University, Munich, Germany. He previously served as a Senior Fellow of the EU-Human Brain Project, as Senior Science Advisory Fellow to the Joint Staff of the Pentagon, and as an appointed member of the US Department of Health and Human Services' Secretary's Advisory Committee on Human Research Protections (SACHRP). His ongoing work addresses

the mechanisms and treatment of neuropsychiatric spectrum disorders; and the neuroethico-legal and social issues arising in and from research and use of emerging neuroscientific techniques and technologies. The author of over 300 papers, 18 government reports and 7 books on brain science and neuroethics, he is an IEEE Distinguished Lecturer, an Overseas Fellow of the Royal Society of Medicine (UK), and in recognition of his achievements, was elected to the European Academy of Science and Arts, and the Dana Alliance of Brain Initiatives.