

Dr. Chung-Kwang (C-K.) Chou
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Executive Summary

Dr. Chung-Kwang (C-K.) Chou is a world-renowned bioelectromagnetics scientist and electrical engineer with five decades of leadership in electromagnetic field (EMF) and radio frequency (RF) product safety. As the former Chief EME Scientist for Motorola and a long-standing leader within the IEEE International Committee on Electromagnetic Safety (ICES), he has been instrumental in shaping global exposure standards (0 to 300 GHz). Dr. Chou's career spans pioneering academic research, director-level institutional leadership, corporate compliance management, and international standard harmonization.

Professional Experience

Period	Organization / Role	Key Focus & Achievements
2014 – Present	Independent EMF Safety Consultant	Providing task-specific consulting expert services on global EMF safety and RF safety compliance.
2001 – 2013	Motorola / Motorola Solutions Chief EME Scientist	Formulated global strategy and oversight for RF product safety. Managed corporate risk and compliance frameworks for global consumer and infrastructure portfolios.
1998 – 2001	Motorola Director, Corporate EME Research Laboratory	Directed advanced engineering and biological research teams investigating electromagnetic energy safety.
1985 – 1998	City of Hope National Medical Center Research Scientist & Director, Department of Radiation Research	Research on hyperthermia and electrochemical treatment for cancer therapy. Conducted studies on RF dosimetry and biological effects.
1977 – 1985	University of Washington Faculty Member, Dept. of Rehabilitation Medicine & Center for Bioengineering	Conducted research on the physiological effects of electromagnetic fields on biological systems, including a large-scale lifetime exposure of rats.
1975 – 1976	University of Washington Regional Primate Research Center NIH Post-Doctoral Fellow (Physiology & Biophysics)	Investigated neural and physiological responses to RF fields.

Key Leadership & Committee Service

- **IEEE International Committee on Electromagnetic Safety (ICES):** Chairman of TC95 (2006–2025), responsible for developing exposure standards covering 0 to 300 GHz.
- **IEEE Committee on Man and Radiation (COMAR):** Chairman (1996–1997).

- **IEEE Scientific Coordinating Committee 28:** Co-Chairman, Subcommittee 4 on RF Safety Standards (1997–2005).
- **National Council on Radiation Protection and Measurements (NCRP):** Council Member (1998–2004), Vice Chairman of Committee 89-5 (1996–1999), and Non-Ionizing Radiation Advisory Panelist (2016–2022).
- **Bioelectromagnetics Society:** Board of Directors (1981–1984); Associate Editor, *Journal of Bioelectromagnetics* (1987–2003).
- **IEEE Broadcast Technology Society:** Distinguished Lecturer (2016–Present).

Education

- **Ph.D. in Electrical Engineering (Bioengineering)** | University of Washington, Seattle, WA (1975)
 - *Dissertation:* The effects of electromagnetic fields on the nervous system
- **M.S. in Electrical Engineering** | Washington University, St. Louis, MO (1971)
- **B.S. in Electrical Engineering** | National Taiwan University, Taipei, Taiwan (1968)

Selected Awards & Professional Distinctions

Year	Award / Distinction	Issuing Organization
2023	First Honorary Member	BioEM Society
2020	IEEE Standards Association Lifetime Achievement Award	IEEE Standards Association
2019	IEEE Standards Board Award	IEEE Standards Association
2007	Fellow	Electromagnetic Academy
2006	d'Arsonval Medal (Highest Honor)	Bioelectromagnetics Society
2006	Global Standard Impact Award	Motorola
2005	IEEE Standards Medallion Award	IEEE Standards Association
1996	Fellow	American Institute for Medical & Biological Engineering
1995	Curtis Carl Johnson Memorial Award	Bioelectromagnetics Society
1989	Fellow (Life Fellow 2012)	IEEE
1981	1st Special Award for the Decade (1970–1979)	International Microwave Power Institute

Publications & Presentations

Dr. Chou has a record of scientific dissemination on bioelectromagnetics:

- **220** Peer-reviewed journal papers and book chapters
- **336** Conference papers and academic abstracts
- **250** Invited professional lectures worldwide