

Amir Huda, Ph.D.



**ABMP BoD Member
(representing AAHP)**

Dr. Amir Huda is a Professor and Chair of the Department of Physics at California State University, Fresno. He established the first Undergraduate Biomedical Physics program in the nation at Fresno State. His research work can be divided into applications of ionizing radiation and non-ionizing radiation. The work in the field of ionizing radiation has been in many areas such as nuclear medicine, health physics which involved decommissioning of the UCLA Argonaut research reactor and designing the UCLA Human-Use Research program involving radiation, and recently, CT and fluoroscopy in collaboration with researchers in Brazil when he was there as a Visiting Professor. The bulk of his contribution has been in the area of magnetic resonance spectroscopy especially in the clinical application of the technique in hepatic encephalopathy, prostate, and breast cancer. For more than 15 years, he has worked with Dr. M.A. Thomas at UCLA experimenting and enhancing the technical aspects of clinical applications from one spectral dimension to multidimensional spectroscopy. This has produced over 50 publications and presentations to a large and varied audience. He is a member of the ISMRM, AAPM, and the HPS.

Dr. Huda was also commissioned by the Radiation Effects Research Foundation (RERF) and Hiroshima International Council for Health Care of the Radiation-exposed (HICARE) to make a documentary on the effects of the atomic bombs dropped in Hiroshima and Nagasaki. He interviewed survivors and scientists and created two documentaries that were unusual in their perspective and circulated for use by professors teaching effects of radiation to health and medical physicists. Dr. Huda is also the recipient of the Fulbright Science Without Borders Distinguished Chair for 2013-14.