

## ACTIVITIES OF THE AAPM SCIENCE COUNCIL OVER THE LAST FORTY YEARS

Since the beginning of the AAPM its science council has considered and made recommendations of scientific policy to the AAPM board. It has formulated specific charges for guidance and direction of the categorical scientific committees, which are committees on biological effects of radiation, diagnostic x-ray imaging, general medical physics, nuclear medicine, radiation protection, radiation therapy, magnetic resonance, computers, ultrasound and research. In the past forty years the science council has presented its recommendations in over fifty reports on a broad spectrum of medical physics scientific issues. Many of these recommendations have been influential in the development of guidelines and regulations from the Nuclear Regulatory Commission, Food and Drug Administration and state regulatory agencies. It was the AAPM Report No. 10 in 1982 that led to the currently accepted DIACOM format for image transfer. The AAPM protocols for clinical reference dosimetry of radiotherapy beams (SCRAD, TG-21, TG-51, etc.) and brachytherapy sources (TG-43) have been widely accepted in the worldwide medical physics community.

The AAPM Science Council, through its radiation therapy committee, has developed an accreditation procedure for dosimetry calibration laboratories (ADCLs); has monitored the quality assurance programs of the centers of radiological physics and the Radiological Physics Center. Highlights of some of these contributions of the AAPM Science Council will be presented.

Learning objectives:

1. the attendee will gain knowledge of the history of the AAPM Science Council activities,
2. the attendee will learn about current activities of the AAPM Science Council.

###