The major goal of the symposium is to provide a forum at which advances in radiation dosimetry, radiation medicine, radiation protection and associated standards made over the last decade can be disseminated and scientific knowledge exchanged. It will cover all specialties in radiation medicine and radiation protection, with a specific focus on those areas where the standardization of dosimetry has improved in recent years (advanced radiotherapy, diagnostic radiology, nuclear medicine and audits). It will also summarize the present status of, and outline future trends in, medical radiation dosimetry and identify possible areas for improvement. The conclusions and summaries from the symposium should lead to the formulation of recommendations for the scientific community.