

Ruben van Engen

GDG Member

Working at the Dutch reference centre for screening since 1996, head of the section Physics and quality control. This section performs all technical quality control in the Dutch breast cancer and tuberculosis screening programmes and is responsible for radiation protection in the breast cancer screening programme. Ruben co-ordinated all work related to the physics chapter of the fourth edition of the European Guidelines, its Supplement and the EUREF tomosynthesis QC protocol. He chaired all meetings of the physics working group and chaired the consensus meetings with physicists working in the field of mammography physics and manufacturers of mammography equipment. Coordinator of the typetests for the Dutch breast cancer screening programme.

Involved in training activities within the Dutch breast cancer screening and (medical) physicists. Leader of the EU funded EUTEMPE project WP4.9 'Achieving quality in the medical physics aspect of breast cancer screening' to develop a course for medical physicists to reach the expert level.

Involved in several research projects: e.g. leader of the EU funded Highrex WP4 'Physical evaluation and quality assurance' for Digital Breast Tomosynthesis (DBT) systems (2007-2010) in which methods of measurements were developed to physically evaluate DBT systems. User in the STW funded Clues project (from 2014) to develop new methods to quantify clinical image quality.

Chair of the 'Metingen aan radiologische apparatuur, mammografie' committee of the NVKF (the Dutch Association of Medical Physicists). (Non-voting) Member of the American Association of Medical Physicists in Medicine Tomosynthesis Subcommittee and Taskgroup 245 'Quality control in DBT'.