# Workshop on QC in Breast Tomosynthesis

**Vienna, September 11th 2015**

**(Draft) Programme:**

## SESSION 1  
(9:00 - 10:45)

- Introduction and philosophy of the QC protocol  
  * Ruben van Engen
- Overview of breast tomosynthesis systems and clinical evidence  
  * Ken Young
- Tools for quality control of tomosynthesis systems; Part 1  
  * Padraig Looney
- Assessment of currently available DBT systems (CDMAM, Z-resolution, SDNR in projection images, geometric distortion, etc.)  
  * Celia Strudley

**Coffee Break  
(10:45 - 11:00)**

## SESSION 2  
(11:00 - 13:00)

- Tools for quality control of tomosynthesis systems; Part 2  
  * Guozhi Zhang
- Image quality evaluation using linear system metrics  
  * Nick Marshall
- Dosimetry in breast tomosynthesis  
  * David Dance
- Dose assessment using simple phantoms (thickness compensation, simulated local density measurement)  
  * Ramona Bouwman

**Lunch  
(13:00-14:00)**

## SESSION 3  
(14:00 - 15:50)

- Practical issues doing QC measurements  
  * Ruben van Engen
- Research into image quality assessment of the reconstructed tomosynthesis image  
  1. Phantoms for QC measurements (including evaluation of currently available phantoms and future phantoms)  
     * Stephan Schopphoven
  2. Image quality measurements; Approach 1  
     * Nick Marshall
  3. Image quality measurements; Approach 2  
     * Ramona Bouwman

**Coffee break  
(15:50 – 16:05)**

## SESSION 4  
(16:05 – 17:00)

- Panel discussion