Standards for Residual Gas Analysers and Analysis

Ron Reid
ISO TC 112 - Vacuum Technology

- Members (P)
  - France
  - Germany
  - Poland
  - Russian Federation
  - Spain
  - USA
  - China

- “Active” Observers
  - Japan
  - Korea
  - United Kingdom

- Liaison (Category A)
  - CERN
  - IUVSTA

SS Scientific Second User Group Meeting
23rd February 1998
Sub Committees

- SCI
  - Vacuum Flanges and Fittings
  - US (ANSI)
- SC2
  - Pressure Measurements, leak detectors and terminology
  - France (AFNOR)
- SC3
  - Vacuum Pumps - Performance
  - Germany (DIN)
ISO CD 5298

- Partial Pressure Analysers of the Mass Spectrometer Type
  2. Definitions and Terminology
  3. Recommended Apparatus and Installations for PPAMS Characterisation and Calibration
  4. Methodology of Qualitative Adjustment for General Use Purpose
  5. Methodology of Calibration for Metrology, for Laboratories and for Manufacturers
  6. Interpretation of results
  7. Use

SS Scientific Second User Group Meeting
23rd February 1998
Current Status

- San Jose, October 1997
  - Establish a working group to develop standards
  - Develop a new proposal on a code of specification for Partial Pressure Analysers
- DL, September 1998
References

- Recommended Practice for the Calibration of Mass Spectrometers for Partial Pressure Analysis
  J.A. Basford et al
  *J. Vac. Sci. Technol, A11(3),* 1993, A22

- Code of Specification for Partial Pressure Analysers
  P.R. Stuart
  *Vacuum 45,* 1994, 889