

Curricula of instructors

Vacuum physics and technology , Part B: July 2nd, 2004

Mercede Bergoglio, graduated in physics at Torino University. In 1975 started the activity at Istituto di Metrologia "G. Colonnetti" (IMGC) of the National Research Council (CNR) in "Pressure and Vacuum " Research Group.

The Research Group has the task of carrying out metrological research work developing activity directed to the realisation of primary pressure scale in the interval between 10^{-5} Pa and 10^9 Pa.

- The main activity of the undersigned are: various materials and alloys have been studied with TDS technique and with Auger spectroscopy; realisation and improvement of primary systems for the pressure range from 0,1 Pa to 10^{-5} Pa and to very high pressure: metrological characterizations of vacuum gauges and transducers; gas flow measurements with the primary flowmeter and characterization of geometric elements like capillaries and permeation leaks used in the quality controls. Intense activity of formation of metrology experts from Accredited Laboratories and industry, expert in the accreditation of various Laboratories in different pressure range, scientific responsible of thesis and scholarships, authors of 26 papers in international and national journals, of 21 papers presented to international and national conferences and of 38 reports

Werner Große Bley: born in Recklinghausen Germany in 1952, in 1978 graduated in Physics on solid state physics (amorphous magnetic semiconductors). He was involved at CONTINENTAL AG-Hannover on development of technical elastomer components and joined from 1978 to 1981 when joined LEYBOLD VACUUM –Cologne and up to 2000 he was working as development manager for vacuum gauges, partial pressure analysers, leakdetectors. Since 2000 is research manager for leak detection at INFICON GmbH-Cologne.

At present he is Chairman of the "Technical Committee Leak Testing" in the German Society of Nondestructive testing (DGZfP) and Chairman of the "Technical Committee NMP826 (Leak Testing)" in the German Standardization Organization (DIN).