

Henri-Noël MIGEON

Region: Europe

R&D

During a first period following his PhD in 1978, H.-N. Migeon worked as product manager for SIMS at Cameca with the following responsibilities:

- general design of new instruments
- specifications of the prototypes
- tuning and characterization of the prototypes
- development of new applications

The instruments developed during that period were: IMS 4f, 5F, 6F and the IMS1270.

Since 1992, H.-N. Migeon is the director of the Science and Analysis of Materials Department (SAM) within the Public Research Center – Gabriel Lippmann (Luxembourg). SAM has some 40 people with 2 third focusing on SIMS, over 20 R&D projects running in parallel and operates 6 SIMS instruments, 1 TEM, 2 SEMs, 1 AES, 1 XPS, 1 AFM.

Co-author of more than 120 publications in the SIMS field and co-director of 17 PhD thesis.

International Network:

H.-N. Migeon was the coordinator of “Nanobeams” (2005-2008). This European Network of Excellence concentrated on SIMS, TEM and AES. The SIMS partners in this project were Cameca, Ion Tof, the Universities of Antwerpen, Louvain la Neuve, Munster, Namur, Oxford, Rouen and SAM.

Since 2009, SAM and the University of Luxembourg are continuing the PhD school created by Nanobeams on SIMS, AES and TEM in order to train students about the fundamental, instrumental and application aspects of these techniques.

Examples of leadership:

Coordinator of the following European projects in the SIMS field:

- “Cation Mass Spectrometry” (1996-2000): 1.4 M€
- “Storing Matter”(2001-2005): 2.8 M€
- “Nanobeams” (2005-2008): 5 M€

Other significant information

Co-chairman of SIMS12 (Brussels)