

CAMECA Workshop at SIMS 25

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Bio:

Anne-Sophie Robbes

Semiconductor SIMS Product Manager at CAMECA



Anne-Sophie Robbes received her Ph.D. in Materials Science through research at Synchrotron SOLEIL and CEA Saclay, France. She joined CAMECA in 2012 and has held several technical and product management roles. Since 2022, she has been Semiconductor SIMS Product Manager, responsible for CAMECA's Dynamic SIMS portfolio for semiconductor applications and future product strategy.

Aurélien Thomen

NanoSIMS Product Manager at CAMECA



Aurélien Thomen is NanoSIMS Product Manager at CAMECA. He holds a PhD in Cosmochemistry and has extensive experience in SIMS and NanoSIMS, including research positions at the University of Hawaii and the University of Gothenburg, where he directed the NanoSIMS facility. His work spans isotopic and chemical imaging, from geosciences to subcellular analysis and life sciences.

Paula Peres

SIMS Application Manager



Paula Peres received her PhD in Solid State Physics from CEA Saclay and Paris University XI, France. She joined CAMECA in 2003 as a SIMS Applications Engineer and has held positions in both applications and product management. Since 2022, she has led the SIMS Applications Engineering team, supporting application development, demonstrations and customer success worldwide.

Laura Creon

Customer Service Manager Southern & Western Europe at CAMECA



Laura Creon holds a PhD in Geosciences from Pierre & Marie Curie University in Paris, France. She has extensive experience in scientific instrumentation and SIMS and has held roles in both product management and customer service. She currently leads CAMECA's Customer Service operations for South & West Europe, supporting customers and service teams across the region.

Abstract:

IMS 8f: A New Generation of Dynamic SIMS for Advanced Materials Characterization

Discover the IMS 8f, CAMECA's latest magnetic-sector Dynamic SIMS platform. Featuring the first-ever automated primary and secondary column alignment system in a magnetic-sector Dynamic SIMS instrument, the IMS 8f combines high analytical performance with improved reproducibility and operational efficiency. Application examples will illustrate its capabilities for ultra-trace contamination analysis, dopant profiling, and the characterization of increasingly complex semiconductor and advanced material structures.

NanoSIMS Cryo: Preserving Native Chemical Distributions by Cryogenic Imaging

The NanoSIMS Cryo enables isotopic and elemental imaging of biological and soft-matter samples while preserving their native chemical organization. By maintaining samples under cryogenic conditions throughout preparation, transfer, and analysis, chemical redistribution associated with conventional preparation methods can be minimized. Examples from neuroscience and soft-matter research demonstrate how cryogenic NanoSIMS imaging reveals chemical heterogeneity and nanoscale organization that may otherwise be altered or lost.

Focus on Application Support

Learn about the resources available to help you get the most from your CAMECA instruments, including application support, technical assistance, online learning through the CAMECA e-learning platform, and web-based knowledge resources.

Focus on SIMS Service & Support

Discover the resources and processes available to keep your CAMECA SIMS instrument performing at its best, including technical support, escalation management, certified service expertise, and upgrade solutions.