

Program for the 6th International NanoSIMS user meeting – Utrecht University, 26-27 Sep 2016

Talks are given in the **Wachendorffzaal**

Monday 26th September 2016

	Start	Activity	Duration	Title	Speaker / Chair
	8:30	Registration			
	9:00	Workshop opening			Jack Middelburg and Lubos Polerecky
Session theme: Geochemistry & Cosmochemistry	9:15	Talk	20 min	Simultaneous measurements of C and N isotopic composition and N abundance in diamonds by nanoSIMS	J. Wang, S. B. Shirey and E. H. Hauri
	9:35	Talk	20 min	A comparison of in-situ and acid residue presolar SiC grains using nanoSIMS and ToF-SIMS	A. Clarke, I. C. Lyon and T. Henkel
	9:55	Talk	25 min	Using the nanoSIMS to study the Earth differentiation: the case of S and Pt	L. Remusat, T.-A. Suer, J. Siebert and G. Fiquet
	10:20	Coffee	30 min		
	10:50	Talk	20 min	Nanosims measurements of minor and trace siderophile elements in chondritic Fe-Ni metal using primary Cs ⁺ .	S. Mostefaoui, N. Meftah, A. Jambon and E. H. Guedda
	11:10	Talk (keynote)	30 min	Nanosims ²⁰⁷ Pb/ ²⁰⁶ Pb analysis of metallic Pb nanospheres in zircons	I.C. Lyon, et al.
	11:40	Discussion	35 min	on session theme	Ian Lyon
	12:15	Lunch	1h 15min		
Technology & Methodology	13:30	Tutorial (group 1)	1 hr	Practical tutorial on low energy deposition and charge compensation (nanoSIMS lab)	François Hillion
	14:30	Tutorial (group 2)	1 hr		
	13:30	Posters	2 hrs	Poster session is parallel with the tutorial	
	15:30	Coffee	20 min	(Combined with a poster session)	
	15:50	Talk	15 min	Latest news from Cameca: new products; new people	François Horreard
	16:05	Talk	20 min	Introducing the nanoSIMS lab at Academia Sinica in Taiwan	Zan Peeters, Kota Naito, Jiun-San Shen, Typhoon Lee
	16:25	Talk (keynote)	30 min	NanoSIMS based Correlative Microscopy for high-resolution high-sensitivity nano-analytics	J. -N. Audinot, T. Wirtz, D. Dowsett, F. Vollnhals, S. Eswara
	16:55	Discussion	35 min	on session theme	Jean-Nicolas Audinot
	17:30	End of day 1			
	17:30	Free time	60 min	Walk to the dinner venue	
	18:30	Dinner		Restaurant het Oude Tolhuys	

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Tuesday 27th September 2016

	Start	Activity	Duration	Title	Speaker / Chair	
	8:55	Opening				
Material sciences	9:00	Talk	20 min	Assessing hydrogen uptake at manganese sulphide inclusions in 303 stainless steel using nanoSIMS	Yasser Al Aboura, Anthony Cook, Katie L. Moore, Robert Akid	
	9:20	Talk	20 min	Hydrogen uptake in zirconium alloy and 3D depth profile analysis by nanoSIMS	K. Li, T. Aarholt, H. Jiang and C. R.M. Grovenor	
	9:40	Talk	20 min	Visualization of the assimilation of nanoparticles in biological tissues by SIMS nano-analysis.	E. Lentzen, J.-N. Audinot, N. Valle, A. Georgantzopoulou, K. Mehennaoui, S. Cambier and A. C. Gutleb	
	10:00	Coffee	45 min	(Combined with a poster session)		
Microbiological and biogeochemical applications	10:45	Talk	25 min	The potential to explore external surfaces using EXLIE Cs-deposition	C. Höschen, J. Lugmeier, T. Höschen, L. Pohl, G. Meisl and I. Kögel-Knabner	
	11:10	Talk (keynote)	30 min	NanoSIMS at the cutting edge – challenges, recent applications and future research directions in microbiology	Niculina Musat, Hryhoriy Stryhanyuk, Matthias Schmidt & Hans H. Richnow	
	11:40	Discussion	35 min	on session theme	Niculina Musat	
	12:15	Lunch	1h 45min	(Can be combined with a lab tour)		
	14:00	Talk	20 min	Topography effects on the visualization of soil organic matter distribution on mineral surfaces: a combined approach of AFM and nanoSIMS	L. Pohl, C. Schurig, K. Eusterhues, Y. Fleming, C. W. Mueller, C. Höschen, K. U. Totsche, I. Kögel-Knabner	
	14:20	Talk	20 min	Microbial interactions revealed with NanoSIMS	A. Vogts, F. Eigemann, S. Weber and M.Voss	
	14:40	Talk	20 min	The effect of phosphorus limitation on harmful algal blooms in the Baltic Sea: a single cell view	Niels J. Schoffelen, Timothy G. Ferdelman, Wiebke Mohr, Helle Ploug, Sten Littmann, M.M.M. Kuypers	
	15:00	Coffee	20 min	(Combined with a poster session)		
	15:20	Talk	20 min	Exploring the metabolism of photosymbiosis in the oceanic plankton with nanoSIMS	J. Decelle, H. Stryhanyuk, B. Gallet, M. Schmidt, S. Marro, N. Musat	
	15:40	Talk	20 min	Phenotypic heterogeneity driven by nutrient limitation promotes growth in fluctuating environments	F. Schreiber, S. Littmann, G. Lavik, S. Escrig, A. Meibom, M.M.M. Kuypers, and M. Ackermann	
		16:00	Discussion	1 hr	diverse topics	L. Polerecky & M. Kienhuis
	17:00	End of day 2				

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