



Institut Matériaux Microélectronique Nanosciences de
Provence

Difsol3 School on diffusion in solids 2026

17-22 May 2026
Lalone les maures, France

[Difsol3](#)

Objectives

Following the first two editions in 2015 and 2020, on May 17 to 22, 2026, IM2NP is organizing a school on diffusion in solids. This school will provide an opportunity to review the basics of diffusion and also to present recent advances in this field. The school will cover various aspects of diffusion: mechanisms, phenomenological laws, diffusion paths, etc. The specific characteristics of diffusion in different types of materials (metals, semiconductors, oxides, intermetallics) will be detailed. Current experimental methods and recent developments in simulations (kinetic Monte Carlo, ab initio, , etc.) and modeling (concentrated alloys) will also be discussed. Finally, examples of diffusion-based applications will be presented. This school will promote exchanges between academics and industrialists, researchers, engineers, and students in the field of diffusion in solids. The lectures will be in English to have an international school

General Information



Location

Résidence Odalys

395 Bd Plage de l'Argentière,
83250 [La Londe-les-Maures](#)

Registration

The number of places is limited and registrations are taken in order of arrival. Registrations website:

<https://difsol3.sciencesconf.org/>

Registration on the website is a three-step process:

Step 1: Pre-registration

Step 2: Validation

Step 3: Final registration and payment

Payment by credit card is preferred but purchase order are possible for public laboratories.

Fee including accomodation

Registration	Fee
Students	800 €
Academics	950 €
Industrials	1200 €

These fee include full board accommodation and classes.
Registration fees are free for CNRS staff and lecturers
Registration will start in January 2026

For more informations:

Contact :

Yves Klein,

IM2NP

yves.klein@univ-amu.fr

School on diffusion in solids

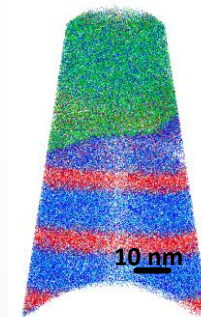
Dominique Mangelinck,

IM2NP

case 142, faculté de Saint-Jérôme

13397 Marseille cedex 20

dominique.mangelinck@im2np.fr



Atomic probe tomography
highlighting the
agglomeration of NiSi

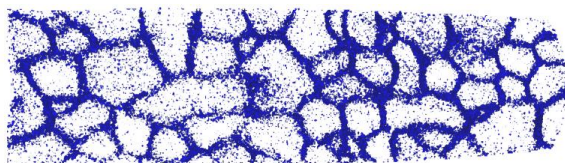
Organizing Committee

IM2NP: Ian Amedeo, Alain Escoda, Bismiya Chakkalakunnan, Matteo Devaux, Fanny Gay, Christophe Girardeaux, Joelle Kafando, Yves Klein, Dominique Mangelinck, Sruthi Mohan, Alain Portavoce, Leslie Scala

Scientific Committee

Hartmut Bracht(U. Munster, Germany)
Sergiy Divinski (U. Munster, Germany)
Dominique Mangelinck (IM2NP, France)
Maylise Nastar(CEA: SRMP, France)
Alain Portavoce (IM2NP, France)
Aloke Paul(IIS C, India)





Atomic probe tomography highlighting the diffusion of Pt at grain boundaries in a thin film of Ni₂Si.

Programme

Monday	
9h30-9h45	General introduction: Dominique Mangelinck (IM2NP-Marseille)
9h45-11h15	Diffusion Mechanisms & Experimental. Alain Portavoce (IM2NP-Marseille)
11h15-12h	Techniques for semiconductors . Hartmut Bracht (U. Munster /Germany)
	Lunch
14h30-16h	Tracer diffusion in metallic solids: from pure metals to high-entropy alloys. Sergiy Divinski (U. Munster /Germany)
16h30-17h15	Defects in Oxides. Laurence Latu-Romain (SIMAP)
17h15-18h45	Diffusion in semiconductors : Hartmut Bracht (U. Munster /Germany)
Tuesday	
8h30- 10h	Diffusion in ionic solids and polymers : Philippe Knauth (Madirel-Marseille)
	Break
10h30-12h	Recent advances in experimental methods for estimation of diffusion coefficients in multicomponent systems. Alope Paul (Indian Institute of Science, Bengaluru, India)
	Lunch
15h-16h30	Flash presentations*
17h-18h30	Short-circuit diffusion in metals: dislocations, grain- and interphase boundaries. Sergiy Divinski (U. Munster /Germany)
Wednesday	
8h30-10h15	Computing transport coefficients from the atomic scale: Thomas Schuler (SRMP-CEA-Saclay)
	Break + Poster**
10h45-12h30	The Onsager formulation: a framework for diffusion, flux coupling and nanoscale diffusion: M. Nastar (SRMP-CEA-Saclay)
14h-18h	Social activities

Thursday	
8h30-10h	Diffusive Phase Transformations: Benoit Appolaire (IJL-Nancy)
	Break + Poster**
10h30-12h	Thermal stability of thin solid films (dewetting) and interface diffusion: Eugen Rabkin (Technion, Haifa, Israel)
	Lunch + Poster**
15h-16h30	Modelling diffusion in multicomponent alloys: methods and applications to high temperature materials. Thomas Gheno (ONERA)
17h-18h30	Calculation of transport coefficients with KineCluE (TP): Thomas Schuler (SRMP-CEA-Saclay)***
Friday	
8h30-9h15	Diffusion under stress: Philippe Maugis (IM2NP, Marseille)
9h15 – 10h	Diffusion in nanometric multilayer. Marie Loyer-Prost (CEA, Saclay)
	Break + Poster**
10h30-11h15	Reactive diffusion. Dominique Mangelinck (IM2NP-Marseille)
11h15-12h	Diffusion Path Concept and its use to analyze and predict reaction layer sequence. Olivier Dezellus (LMI-Lyon)

* Flash presentations : Participants are invited to present their research topics during the session on May 18th. Posters will also be presented.

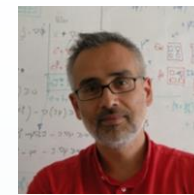
** Posters session will take place during the breaks

***The practical session "Calculating transport coefficients with KineCluE" on Thursday, May21, is optional.



Beach « L'Argentièr » at Londe-les-Maures

The Speakers



Benoit Appolaire
(IJL)



Hartmut Bracht
(U. Munster)



Olivier Dezellus
(U. Lyon: LMI)



Sergiy Divinski
(U. Munster)



Thomas Gheno
(ONERA)



Philippe Knauth
(Madirel)



Laurence Latu-Romain
SIMAP



Marie Loyer Prost
CEA: Saclay



Dominique Mangelinck
(IM2NP)



Philippe Maugis
(IM2NP)



Maylise Nastar
(CEA: SRMP)



Alope Paul
(IISc, India)



Alain Portavoce
(IM2NP)



Eugen Rabkin
(Technion, Israel)



Thomas Schuler
(CEA: SRMP)