



Monday 5th of october

13h00 Welcome at the VVF Villages Evian

<http://www.vvf-villages.fr/villages-vacances/vacances-evian-vvf-villages.html>

14h30 Opening of the Imaging Workshop

14h30 Eberhard Lehman (PSI, Switzerland)

"Complementary of neutron and x-ray imaging."

15h30 José Baruchel (ESRF, Grenoble)

"Using neutrons and X-rays for transmission and Bragg diffraction imaging: capabilities and complementarities."

16h30 Break

17h00 Dimitrios Sakellariou (NIMBE, CEA Saclay)

"Nuclear Magnetic Resonance Imaging and some Spectroscopy. Introduction and examples of applications."

18h00 end of the session

19h00 Welcome "apéritif"

20h00 Dinner

Tuesday 6th of october

9h00 Pierre Levitz (Phenix, UPMC)

"2D and 3D imaging of multiscale porous materials: A way to probe evolving morphology and confined transport"

10h00 Charles Dewhurst (ILL, Grenoble)

"Non-Standard Configuration of SANS Instruments: Multiple Beam Techniques for VSANS, Scanning and Magnified Neutron Imaging Methods"

10h30 Coffee break

11h00 Pierre Boillat (PSI, Switzerland)

"Neutron imaging of fuel cell and lithium batteries"

12h00 – 14h00 lunch

14h00 Erwan Coz (CEA/Liten/DTNM, Grenoble)

"Characterization of water management in a micro fuel cell using in plane neutron radiography"

14h30 Giliane Odin (Phenix, UPMC)

"Neutron imaging on fossil woods upon drying and wetting"



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15h00 Simone Scussat (PAPC, Université de Bourgogne)
“Neutron Imaging and Tomography Applied to Meat Cooking”

15h30 Break

End of the imaging workshop – Opening of the Rossat-Mignod Days

Swedish session

16h00 Marcus Strobl (ESS, Lund)
“Status of ESS and Neutron Imaging”

16h30 Gunnar Palsson (Uppsala University, Sweden)
“Super ADAM reflectometer upgrades and sample environment improvements”

17h00 Martin Mansson (KTH Royal Institute of Technology, Stockholm, Sweden)
“Pressure- & Field-Induced Quantum Criticality in a Frustrated Spin Liquid with Random Bonds”

17h30 Adrian Rennie (Uppsala University, Sweden)
“Equilibria and Evolution of Structures in Soft Matter”

19h00 Welcome “Apéritif” for the Rossat-Mignod days

20h00 Dinner

Wednesday 7th of october

8h30-10h: Biology

8h30 Martin Weik (IBS, Grenoble)
“Coupling between protein and hydration water dynamics”

9h00 Marie Plazanet (Perugia University, LIPhys CNRS Grenoble)
“Dynamique de relaxation de conjugués polymers-protéines: influences mutuelles et augmentation de la flexibilité de la protéine”

9h20 Sophie Combet (LLB, Saclay)
“Conformation of the poly(ethylene glycol) chains in diPEGylated hemoglobin specifically probed by SANS: correlation with PEG length and in vivo efficiency”

9h40 Viviana Cristiglio (ILL, Grenoble)
“Protein crowding in frozen and freeze-dried solution states: SANS study of lysozyme/sorbitol/water systems”

10h00 Coffee Break



10h30 – 12h30 Soft Matter and Nanosciences

10h30 Jacques Jestin (LLB, Saclay)

“Interplay between NP assembly, polymer chain conformation and mechanical properties in polymer nanocomposites: from model to industrial systems for innovative functional materials”

11h00 Natalie Malikova (PHENIX, UPMC)

“Deviations from current polyelectrolyte theory: counterion specific effects”

11h20 Jérôme Combet (Institut Charles Sadron, Strasbourg)

“SANS from salt-free aqueous solutions of hydrophilic and highly charged star-branched polyelectrolytes”

11h40 Isabelle Grillo (ILL, Grenoble)

“Hyaluronan-Pluronic hydrogels: influence of the polyelectrolyte chain conformation on the micelle organization characterized by SANS”

12h00 Huynh Uyen (UMR PAM, Dijon)

“How different are the structural changes of low methoxy pectin induced by the divalent cations Ca^{2+} and Zn^{2+} ”

12h20 – 14h Lunch

14h00 – 15h00 News from the centers

Christiane Alba Simionescu (LLB)

Charles Simon (ILL)

Dimitri Argyriou (ESS)

Discussion about the future of neutrons in France

15h-16h30 Prix de thèse SFN

15h00 Président du Jury : Jean-Michel Kiat (Centrale – Supélec, LLB, Saclay)

« Core-shell ferroelectric particles : consequence on structure and properties »

15h45 Lauréat du Prix de thèse 2015

Alexis Chennevière (Université Paris Sud, Saint Gobain)

« Dynamique de chaînes de polymère greffées et glissement aux interfaces »

16h30 – 18h CA SFN-Poster Session

20h00 JDN23 Party



Thursday 8th of October

8h30-10h00 Material Science

- 8h30 Emmanuelle Dubois (PHENIX, UPMC)
"Anisotropy of Water Dynamics in Clays: Combining Neutron Spin Echo Spectroscopy and Molecular Simulations"
- 9h00 Gwenaëlle Rousse (Collège de France, UPMC)
"Structure et propriétés électrochimiques de l'oxalate de fer $Fe_2(Oxalate)_3 \cdot 4H_2O$ »
- 9h20 Peter Fouquet (ILL, Grenoble)
"Nanometer scale diffusion of hydrogen in carbon materials"
- 9h40 Ana Carolina Selvati (ILL, Grenoble, Laboratoire Charles Coulomb, Montpellier)
"Vibrational study of the hybrid material: photo-active molecule encapsulated inside single walled carbon nanotubes"
- 10h00 Monica Ceretti (Institut Charles Gerhardt Montpellier)
"Low temperature oxygen diffusion mechanisms in $Nd_2NiO_{4+\delta}$ and $Pr_2NiO_{4+\delta}$ via large anharmonic displacements, explored by single crystal neutron diffraction."
- 10h20 Coffee Break

10h30 – 12h30 Magnetism

- 10h30 Dirk Honecker (ILL, Grenoble)
"Magnetic small-angle neutron scattering of two-phase bulk ferromagnet"
- 11h00 Pascal Lavie (LLB, Saclay)
"WAVE, un aimant vectoriel adapté à la diffusion neutronique"
- 11h20 W. Knafo (Laboratoire National des Champs Magnétiques Intenses, Toulouse)
"Magnetic diffraction under pulsed magnetic field up to 40T »
- 11h40 Claire V. Colin (Univ. Grenoble, Institut Néel, Grenoble)
"One dimensional short range spin correlation in magnetoelectric pyroxene $CaMnGe_2O_6$ "
- 12h00 Stéphane Raymond (Université Grenoble, CEA Grenoble)
"La résonance de spin dans $CeCoIn_5$: un mode précurseur de l'ordre antiferromagnétique induit sous champ »

12h20 End of the JDN23



The meeting is taking place at the

VVF Villages "Evian"

Rue du Mur Blanc 74500 Evian-les-Bains

Tél. 04 50 83 17 00

<http://www.vvf-villages.fr/villages-vacances/vacances-evian-vvf-villages.html>

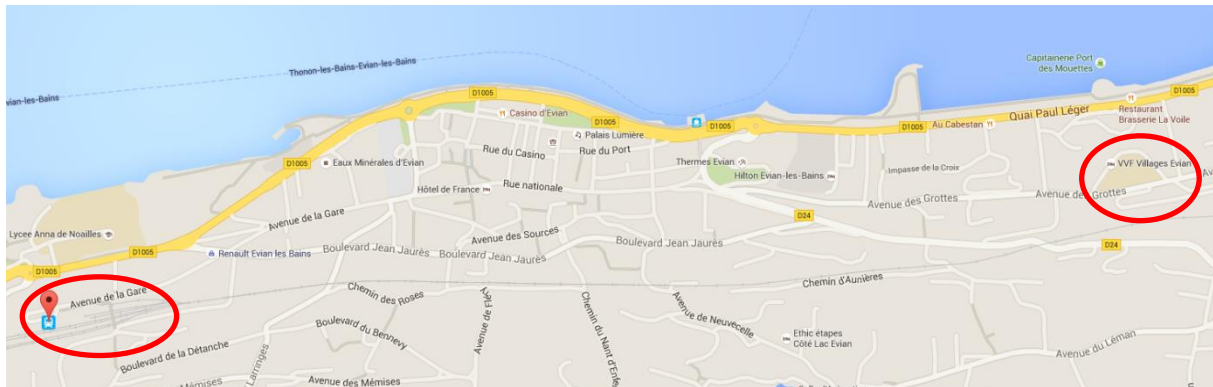
Contacts in case of problem :

Frédéric OTT 06 74 33 52 65

From Paris by Train: TGV Paris- Bellegarde (3h) / and TER Bellegarde- Evian (1h30)

From Grenoble by Train: TER Grenoble –Bellegarde (1h30) / TER Bellegarde –Evian (1h30)

From Genève or Lausanne Train station or Airport to Evian: Bus- Boat or Car



NOTA : Attention à ne pas confondre gare d'Evain les Bains et de Bains d'Evian (!). Les grandes lignes ne s'arrêtent qu'à Evian les Bains.

The distance from the train station and the VVF is 2.5 km (30 minutes walk).

If it is raining or if you have plenty of luggage, you may take the bus.

There is however no direct connection from the train station to the VVF.

The best option is to take bus from line **H** at the station Anna de Noailles (see map below) and stop at the station "Village - Vacances".

NOTA : there is a bus only every hour!

Line **J** from the train station takes you at best to Embarcadere (which is half way to the village).

You may also consider going to Lausanne and take the boat to Evian (<http://www.cgn.ch/>)



H Grande Rive » Milly
Lundi à samedi - Toute l'année (ne circule pas les dimanches et jours fériés)

GRANDE RIVE	7:24	8:28	9:38	10:51	11:53	12:58	14:00	15:02	16:01	17:18	18:17	19:15
LES GROTTES	7:26	8:30	9:40	10:53	11:55	13:00	14:02	15:04	16:03	17:20	18:19	19:17
THERMES	7:27	8:31	9:41	10:54	11:56	13:01	14:03	15:05	16:04	17:21	18:20	19:18
EMBARCADÈRE	7:29	8:33	9:43	10:56	11:58	13:03	14:05	15:07	16:06	17:23	18:22	19:20
HÔTEL DE VILLE D'EVIAN	7:29	8:33	9:44	10:57	11:58	13:03	14:05	15:07	16:06	17:23	18:22	19:20
GARE ROUTIÈRE	7:31	8:35	9:46	10:59	12:00	13:05	14:07	15:09	16:08	17:25	18:24	19:22
SUPERMARCHÉ CASINO	7:34	8:38	9:49	11:02	12:03	13:08	14:10	15:12	16:11	17:28	18:27	19:25
ANNA DE NOAILLES	7:36	8:40	9:51	11:04	12:05	13:10	14:12	15:14	16:13	17:30	18:29	19:27
BENNEVY	7:40	8:44	9:56	11:09	12:10	13:15	14:17	15:19	16:18	17:35	18:33	19:31
ROUTE DU STADE	7:41	8:45	9:57	11:10	12:11	13:16	14:18	15:20	16:19	17:36	18:33	19:31
COLLÈGE DES RIVES	7:45	8:49	10:01	11:14	12:15	13:20	14:22	15:24	16:23	17:40	18:37	19:35
MILLY	7:50	8:54	10:07	11:20	12:20	13:25	14:27	15:29	16:28	17:45	18:42	19:40

MILLY	7:59	9:08	10:17	11:23	12:24	13:30	14:31	15:35	16:48	17:47	18:45
COLLÈGE DES RIVES	8:03	9:12	10:21	11:27	12:28	13:33	14:34	15:39	16:52	17:51	18:48
ROUTE DU STADE	8:05	9:14	10:23	11:29	12:30	13:35	14:36	15:41	16:54	17:53	18:50
BENNEVY	8:07	9:16	10:25	11:31	12:32	13:37	14:38	15:43	16:56	17:55	18:52
ANNA DE NOAILLES	8:12	9:21	10:30	11:36	12:37	13:42	14:43	15:48	17:01	18:00	18:57
SUPERMARCHÉ CASINO	8:14	9:23	10:32	11:38	12:39	13:44	14:45	15:50	17:03	18:02	18:59
GARE ROUTIÈRE	8:16	9:25	10:34	11:41	12:41	13:46	14:47	15:52	17:05	18:04	19:01
HÔTEL DE VILLE D'EVIAN	8:17	9:26	10:35	11:42	12:42	13:47	14:48	15:53	17:06	18:05	19:02
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