

– Time schedule –



WEMESURF SHORT COURSE ON
CONTACT MECHANICS AND TRIBOLOGY
21-25 June, 2010, Paris, France



Monday, 21 June 2010, School of Mines¹, Paris

14:00-14:15 Speech of welcome
14:15-15:45 Rheology (*G. Cailletaud*)
15:45-16:00 ☕ Coffee break
16:00-17:30 Finite Element Method (*S. El-Arem*)

Tuesday, 22 June 2010, School of Mines, Paris

9:00-10:30 Contact mechanics: basics (*G. Cailletaud, S. Basseville, V.A. Yastrebov*)
10:30-10:45 ☕ Coffee break
10:45-12:15 Experimental approaches to contact mechanics (*J. Savkova, H. Proudhon*)
12:15-13:30 Lunch
13:30-14:30 **Plenary lecture.** Using X-ray microtomography to probe microstructure and damage of structural materials (*H. Proudhon*)
14:30-14:45 ☕ Coffee break
14:45-18:00 Practical work. Z-Club

Wednesday, 23 June 2010, School of Mines, Paris

9:00-10:30 Contact mechanics: damage (*E. Héripéré, L. Sun, J. Durand, S. Dubowski*)
10:30-10:45 ☕ Coffee break
10:45-11:45 **Plenary lecture.** A Socratic approach to cold spray of wear resistant coatings (*M. Jeandin*)
11:45-13:00 Lunch
13:00-15:00 Practical work. Z-Club

Thursday, 24 June 2010, School of Mines, Paris

9:00-10:30 Computational contact mechanics (*V.A. Yastrebov*)
10:30-10:45 ☕ Coffee break
10:45-11:45 **Plenary lecture.** Fatigue and wear prediction in blade-disc fixings of aero-engines (*T. Dick, E. Héripéré*)
11:45-13:00 Lunch
13:00-17:30 Practical work. Z-Club
18:45-21:00 ☺ Group visit of the Museum d'Orsay²
21:00-night ☺ Dinner at the restaurant of the Museum d'Orsay

Friday, 25 June 2010, Center of Materials³, Evry / School of Mines, Paris

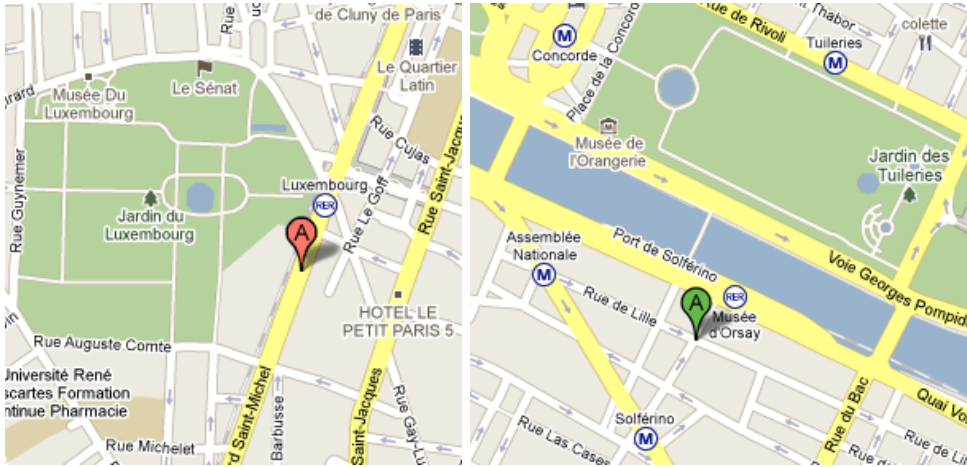
9:00-10:30		Presentation of performed practical work
10:30-10:45	☕	Coffee break
10:45-12:15		Presentation of performed practical work
12:15-13:30		Lunch
13:30-19:00		Return to Paris, spare time
19:00-night	☺	Farewell party at the School of Mines ⁴

¹ **School of Mines, Paris** – Address: 60 Boulevard Saint-Michel, close to the "Garden of Luxembourg", (RER B) Luxembourg (see plan below)

² **Group visit of the Museum d'Orsay** – meeting in front of the museum at 18:45. Address: 62, rue de Lille, (RER C) Musée d'Orsay or metro station Solférino (line 12) or metro station Concorde (line 1) (see plan below).

³ **Center of Materials, Evry** – shuttle bus departure at 7:45 from the central portal of the School of Mines. Attention, there are two shuttle buses: one goes to the Center of Materials, another goes to Fontainebleau, do not confuse them.

⁴ **Farewell party at the School of Mines** – French wine and cheese, sommelier competition and some presentations of Ph.D. students working in the domain of contact mechanics and tribology.



On the left: School of Mines area, on the right: Museum d'Orsay area

Course web page: http://mms2.ensmp.fr/tribo_paris/tribo_paris.php

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