

SOFA 6th meeting :: Sophia-Antipolis

October 21-23 2009



SOFA meeting:

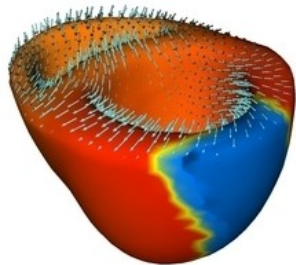
The 6th edition of our SOFA meeting will take place in Sophia-Antipolis at INRIA.

Meeting Location:

INRIA Sophia Antipolis - Méditerranée
2004 route des Lucioles
06902 Sophia-Antipolis Cedex BP93
France

21-22 : Coriolis (G5) – Gallois building

23 : F. Jaune (F322) – Fermat building



Contact Information:

Tel : +33 (0)4 92 38 76 60 (Asclepios Assistant)

- Hervé Delingette: Herve.Delingette@sophia.inria.fr

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Getting there:

• **By car:** GPS 43.61619N (43°36'58") 7.06786E (07°04'04")

From Marseille-Aix by the **A8 motorway**, take the exit Antibes-Grasse-Sophia Antipolis, direction Sophia Antipolis.

From Nice by the **A8 motorway**, take the exit Antibes-Sophia Antipolis, direction Sophia Antipolis (the road on the right just after the toll).

• **By train:**

The closer railway station is "Antibes" city.

Regular shuttles from Antibes SNCF railways

station to Sophia Antipolis with **Envibus**. Bus

Stop "Lucioles" or "inria"

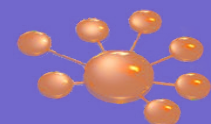
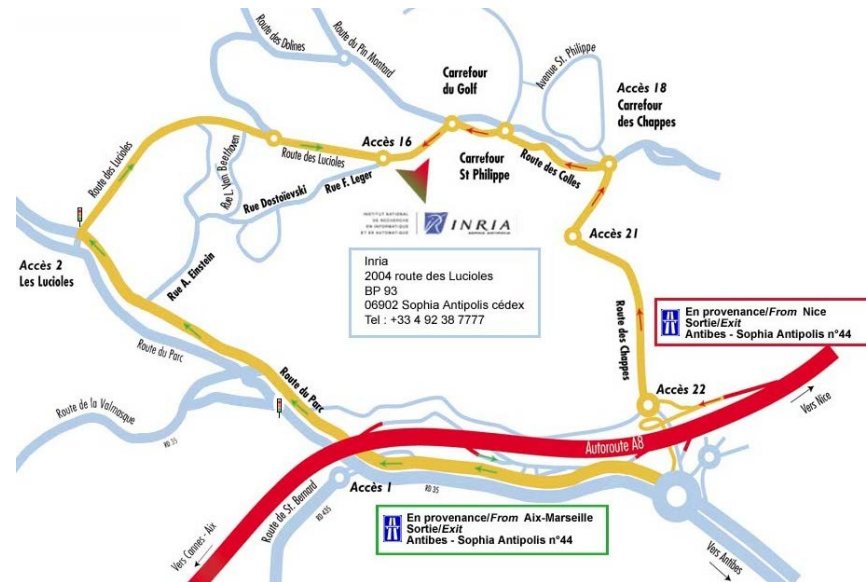
• **By public transportation:** ([Flyer to print](#))

- From Nice-Côte d'Azur Airport : **Ligne 230**

- From Nice-Ville : **ligne 230**

- From Antibes : **Envibus**

- From Grasse : **sillages-stga**



SOFA

Simulation Open Framework Architecture



INSTITUT NATIONAL
DE RECHERCHE
EN INFORMATIQUE
ET EN AUTOMATIQUE

INRIA

centre de recherche SOPHIA ANTIPOLIS - MÉDITERRANÉE

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First Day: Overview of recent achievements

Location : INRIA Sophia-Antipolis (http://www-sop.inria.fr/presentation/localisation_en.shtml)
Room Coriolis (Galois Building)

9h30-12h

Tobias Heiman (Asclepios) : Subject-specific ligament models for the knee joint.
Olivier Comas (Alcove) Triangular shell elements with bending, application to lens prothesis deployment in the eye
Stéphanie Marchesseau (Asclepios) : Implementation of a Generic Method for Hyperelastic Models.

Michael Adam (Evasion) : Articulated bodies : Application on rat motion study
Juan Pablo de la Plata (ENST) : Physics-based Modeling of the pregnant woman: First steps towards an Interactive Body Sculpting Tool
Erik Pernod (Asclepios) Data structure: New loaders architecture and reaction-diffusion model for charge transfer in the heart.

13h30-15h30

Frédéric Roy et Jérémie Allard (Alcove) : Engines : Principle, current implementation, example of usage to create connective tissues for PASSPORT
Florent Falipou et Michaël Adam (Evasion) GUI: Ogre Viewer, Profiler, sofaConfiguration, Mouse Manager, Plugin Manager
Benjamin Messe (Digital Trainers) : Topology: Triangular mesh refining for mesh incision by primitive removal
Florent Falipou (Evasion): Constraint with Lagrange Multipliers: projective constraints, collision with friction
Guillaume Bousquet (Evasion) : Cutting method with collision response on triangular meshes based on hexahedra

16h-17h30

Everton Hermann (Evasion) Multi GPU/CPU simulation and load balancing criteria
Marie Durand et Everton Hermann (Evasion) How-To : Discrete Elements in Sofa
Hadrien Courtecuisse et Jeremie Allard (Alcove) : GPU : new LDI implementation, interactions with fluids
Frédéric Roy et Christian Duriez (Alcove) : Input Devices : VRPN support, user-friendly calibration of Phantom

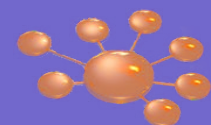
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Hotels in Sophia-Antipolis

	Hotel Mercure	Rue Albert Caquot 06560 Valbonne Tel : (+33)4 92 96 0404 Fax : (+33)4 92 96 0505 E-mail : H1122@accor-hotels.com	4 stars	Ask for an INRIA discount. Not at walking distance
	Media Garden Hotel	Route des Crêtes 06560 Valbonne Tel: (+33)4 92 94 68 00 Fax: (+33)4 93 65 43 41 Email : reception@mediathel.com	3 stars	Ask for an INRIA discount. Not at walking distance
	Novotel	290, rue Fedor Dostoïevski Les Lucioles 1 06560 Valbonne Tel : (+33)4 92 38 72 38 Fax : (+33)4 93 95 80 12 E-mail : H0398@accor-hotels.com	3 stars	Ask for INRIA discount Walking distance to INRIA
	Omega	49, rue Ludwig Van Beethoven 06560 Valbonne Tel: (+33)4 92 96 07 07 Fax: (+33)4 92 38 98 08	3 stars	Walking distance
	Hôtel Ibis	Rue Albert Caquot Tel: (+33)4 93 65 30 60 Fax: (+33)4 93 95 83 99 Email : H0711@accor-hotels.com GPS : N 43° 37' 6.68" E 7° 3' 28.26"	2 stars	Walking distance to Inria
	Etap Hotel	3550 Route des Dolines 06410 BIOT Tel : (+33)892702032 Fax : (+33)492910044 GPS: N 43° 37' 16.38" E 7° 3' 33.97"	2 stars	Not at walking distance to INRIA



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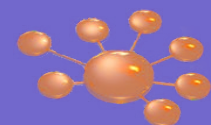
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Hotels in Antibes

	Hôtel Ambassadeurs	50-52 chemin des Sables BP49 06161 Juan les Pins Tel: (+33)4 92 93 74 66 Fax: (+33)4 93 67 79 85 Email : manager@hotel-ambassadeur.com	4 stars	Not at walking distance
	Hôtel Josse	8 boulevard James Wyllie 06600 Antibes Tel: (+33)4 92 93 38 38 Fax: (+33)4 92 93 38 39 hotel.josse@wanadoo.fr	3 stars	Ask for INRIA discount Not at walking distance
	Hôtel le collier	19 Bd du Général Vautrin 06600 ANTIBES Tél: (+33)4 93 74 56 40 Fax: (+33)4 93 65 99 38	2 stars	Not at walking distance
	Hôtel de l'étoile	2 avenue Gambetta 06600 Antibes Tel (+33)4 93 34 26 30 Fax (+33)4 93 34 41 48 hetoile@club-internet.fr	2 stars	Ask for INRIA discount Not at walking distance



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