

Plan
& GO



Register now!

December 13, 2023

COMPUTATIONAL & AUGMENTED SURGERY

Fédération Hospitalo Universitaire Plan & GO

Chairman : Marc-Olivier GAUCI

SCIENTIFIC COMMITTEE

Nicolas BRONSARD, Isa COSTANTINI, Guillaume DARDENNE

Jean-François GONZALEZ, Jean-Baptiste MASSON

Thibault POUJADE, Rémy WINTER



UNIVERSITÉ
CÔTE D'AZUR



iULS
Institut Universitaire
Locomoteur & Sport
CHU de Nice

Amphitheatre Le Galet, Pasteur 2 Hospital - CHU of Nice

COMPUTATIONAL & AUGMENTED SURGERY PROGRAM

08:30 Opening session

R Bourret - *CEO CHU of Nice, J Levraut - Chairman of the Medical Board CHU of Nice*
J Dellamonica - *Dean of the Faculty of Medicine, J Brisswalter - President of University Côte d'Azur*

08:50 Introduction to computational and augmented surgery MO Gauci - ICARE, CHU of Nice

Session 1 - AI uses in computational surgery

Moderators : N Ayache - INRIA, Epione, 3IA & O Humbert - CAL, 3IA

09:05 Some challenges of AI for Computer Aided Surgery H Delingette - *INRIA, Epione*
09:35 AI for precision medicine in vascular disease J Raffort-Lareyre - *CHU of Nice - 3IA*
10:05 Young researcher J Feydy - *INRIA, HeKa*
10:20 - 10:35 Coffee break

Session 2 - Surgical imaging: building a digital model and computer vision

Moderators : G Malandain - INRIA & P Mocerì - CHU of Nice

10:35 SSM: new challenges V Burdin - *IMT Atlantique*
11:05 Visualisation and Analysis of medical images in VR JB Masson - *DBC, Pasteur Institute*
11:35 Young researcher C Godard - *DBC, Pasteur Institute*

Session 3 - Surgical planning and simulation: from anatomical specimen to in silico model

Moderators : R Allena - LJAD & O Camuzard - CHU of Nice

11:50 Digital model G Dardenne - *LATIM, INSERM*
12:20 Osteosynthesis plate fracture risk prediction using patient-specific biomechanics Y Tillier - *CEMEF, Mines ParisTech*
12:50 Cadaver lab 4.0 N Bronsard - *LACA, CHU of Nice*
13:20 Young researcher R Winter - *ICARE*
13:35 - 15:00 Luncheon

Session 4 - From digital model to operating room: 3D printing, Surgiverse, Robotics

Moderators : F Almairac - CHU of Nice & C Mialhe - CH of Antibes

15:00 3D printing from manufacturer to POC C Savoldelli - *CHU of Nice & T Poujade - NewClip*
15:30 MR: a gateway to the Surgiverse MO Gauci & A Destainville - *Abys Medical*
16:00 Robotics: new generation and future applications E Sejour & P Berthet-Rayne - *Caranx*
16:30 Young researcher A Caubere - *ICARE & S Bourdon - Statera*

Session 5 - From technology to use: Ergonomics and Evaluation

Moderators : M Durand - CHU of Nice & PA Gauci - CHU of Nice

16:45 Situational awareness, mental load, acceptability in augmented surgery E Galy - *LAPCOS*
17:15 360°evaluation: a prerequisite for deploying digital solutions M Grajoszex - *DMH, APHP (Hôtel-Dieu)*
17:45 Young researcher M Arminio - *ICARE, LAPCOS*
18:00 Closing MO Gauci - *ICARE, CHU of Nice*

CLINIC DEPARTMENTS



ACADEMIC RESEARCH TEAMS



INDUSTRIAL PARTNERS

