

The Interdisciplinary thematic institutes of the University of Strasbourg & ⊕ & ⊪ Inserm funded under the Excellence Initiative program ()

# HealthTech Day 2022

Join us and seize this opportunity to initiate interdisciplinary collaborations with other HealthTech members. The scientific program includes several conferences, a session for PhD students, opportunities to network and two plenary lectures.

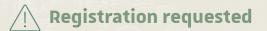
## **Keynote speakers:**



Prof. Ferdinando Rodriguez y Baena Imperial College London



Prof. Sylvain Gioux Intuitive Surgical



December 12<sup>th</sup> 2022



9:00 ам - 4:00 рм



Illkirch Campus

www.healthtech.unistra.fr

# HealthTech Day 2022



Monday, December 12<sup>th</sup>

Illkirch Campus, Lecture hall A207

### 09:00 Introductory words & HealthTech activity report

Prof. B. Bayle, University of Strasbourg

09:20 Plenary conference - "An overview of the Hamlyn Centre and mechatronics in medicine laboratory"

Prof. F. Rodriguez y Baena, Imperial College, Hamlyn Centre, London, UK

#### **10:10** Scientific lectures #1

"Biomechanics of breast implants: prevention of aging and early rupture" Prof. N. Bahlouli, University of Strasbourg & Dr S. Chatelin, CNRS Research Scientist

"Self-supervised approaches for human pose estimation in the operating room" Dr V. Srivastav, IHU Strasbourg & University of Strasbourg

"Fully non-contact optical elastography using digital holography"

Dr A. Nahas, University of Strasbourg

#### **11:25** COFFEE BREAK

#### **11:50** Young researcher session

- "Autonomous endovascular guidewire navigation" V. Scarponi
- "The implementation of a management tool in a highly innovative organization in the medical sector: impact on creativity teams / Case of IHU Strasbourg" - L. Leydinger
- "Real-time unsupervised domain adaptation for FIB-SEM cell segmentation" A. Stenger
- "Latent graph representations for automated critical view of safety assessment"-A. Murali

#### **12:50** LUNCH BUFFET

**14:00** Plenary conference – "Improving surgical vision during minimally invasive procedures" Prof. S. Gioux, Intuitive Surgical

#### 14:50 Scientific lectures #2

"Robot-assisted focused ultrasound therapy for localized drug delivery in the brain"

Dr J. Vappou, CNRS Research Scientist & A. Saood, University of Strasbourg

- "Image-quided liver needle-based procedures: current challenges, and future perspectives"
- Dr J. Verde, IHU Strasbourg & Dr A. Garcia, IHU Strasbourg

"Percutaneous cementoplasty in pelvic oncology"

Prof. J. Garnon, Strasbourg University Hospital & C. Sieffert, University of Strasbourg

#### **16:05** Young researcher presentation prize attribution and closing remarks