

# Surgical Data Science Workshop 2019

The second edition of the workshop will take place on **June 17th 2019** and will be associated with the International Congress on Computer Assisted Radiology and Surgery (CARS) 2019 in Rennes, France.



## Program

### 09:00 - 10:00 Opening Session

Chairs: Workshop organizing team

- **Welcome to Rennes**  
Pierre Jannin | Inserm, University of Rennes 1, France
- **Opening of SDS Workshop**  
Lena Maier-Hein | German Cancer Research Center (DKFZ), Germany
- **How to design a hospital for surgical data science**  
Hannes Kenngott | Heidelberg University Hospital, Germany

### 10:00 - 10:30 Coffee Break

### 10:30 - 12:30 Surgical Data Science Initiatives

Chair: Stefanie Speidel | National Center for Tumor Diseases (NCT) Dresden, Germany

- **Smart Image**  
Adrian Park | Anne Arundel Medical Center, Johns Hopkins University, United States
- **CONDOR – Connected Optimized Network & Data in Operating Rooms**  
Pietro Mascagni and Tong Yu | CAMMA, IHU Strasbourg & University of Strasbourg, France
- **OR Black Box: using data to improve surgical safety**  
Teodor Grantcharov | St. Michael's Hospital, University of Toronto, Canada
- **NCT Surgical Data Science Initiative**  
Keno März | German Cancer Research Center (DKFZ), Germany
- **AI4OR, A Network Initiative for Context-Aware Operating Theaters**  
Duygu Sarikaya | Inserm, University of Rennes 1, France

### 12:30 - 13:30 Lunch

### 13:30 - 14:45 Industrial Perspectives

Chair: Anand Malpani | Johns Hopkins University, United States

Presentations by industry representatives

- **Encoding Surgery**  
Pablo Garcia Kilroy | Verb Surgical Inc., United States
- **Towards the intelligent OR**  
Johannes Fallert | KARL STORZ SE & Co. KG, Germany
- **Data driven robotic surgery**  
Max Allan | Intuitive Surgical Inc., United States

### 14:45 - 17:15 Towards Surgical Data Science Success Stories (Interactive Session with Coffee)

Chairs: Matthias Eisenmann and Lena Maier-Hein | DKFZ, Germany

Duygu Sarikaya | Inserm, University of Rennes 1, France

- **OR 2020 – where do we stand?**  
Kevin Cleary | Children's National Medical Center, United States
- **Interactive Session with World Cafés**  
All workshop participants

### 17:15 - 18:00 Panel Discussion

Chairs: Pierre Jannin, Lena Maier-Hein, Stefanie Speidel

### 18:00 Closing and Reception

Chair: Duygu Sarikaya | Inserm, University of Rennes 1, France

## Organizers

Chairs: Lena Maier-Hein, Pierre Jannin, Stefanie Speidel

Executive committee: Matthias Eisenmann, Duygu Sarikaya, Keno März, Anand Malpani

Board: [www.surgical-data-science.org/workshop2019/committee](http://www.surgical-data-science.org/workshop2019/committee)

## Funding

The Surgical Data Science Workshop 2019 will be organized as part of the Surgical Data Science Initiative funded by the National Center for Tumor Diseases Heidelberg (NCT) and is sponsored by Verb Surgical Inc., KARL STORZ SE & Co. KG, Intuitive Surgical Inc., the NCT, and the University of Rennes 1.

## Registration

Participation is free of charge due to generous sponsorship, but registration is mandatory in order to take part in the workshop. Please follow the instructions on the registration website: [www.surgical-data-science.org/workshop2019/registration](http://www.surgical-data-science.org/workshop2019/registration)

