

Workshop: **MEDICAL APPLICATIONS OF LASER MOLECULAR IMAGING AND MACHINE LEARNING**

**Co-chairs:**

**Igor K. Lednev**, University at Albany, USA, Tomsk State University, Russian Federation

**Yury V.Kistenev**, Tomsk State University, Russian Federation

**Walter Blondel**, Université de Lorraine, France

**Secretary:**

**Sergey M. Zaytsev**, Université de Lorraine, France, Saratov State University, Russian Federation

**Program Committee:**

**Arnaud Coussiet**, de l'Université du Littoral Côte d'Opale, France

**Vladimir L. Vaks**, Institute of Applied Physics of RAS, Nizhny Novgorod, Russian Federation

**Olga P. Cherkasova**, Institute of Laser Physics of SB of RAS, Russian Federation

**Denis A. Vrazhnov**, Tomsk State University, Russian Federation

**Alexey V.Borisov**, Tomsk State University, Russian Federation

The Workshop's goal is to discuss the current stage and perspectives in medical applications of laser molecular imaging and machine learning.

**Topics:**

- Medical diagnosis using breath optical biopsy
- Medical diagnosis using biofluid optical biopsy
- Medical diagnosis using tissue optical biopsy
- Component analysis using laser spectroscopy data and machine learning