



Society for Brain Mapping and Therapeutics (SBMT)
Galleria Emerald Room
Final Program

13th April 2018

Fri April 13th 10:00-11:30AM

A2- Stroke Diagnosis and Therapy/Endovascular Co-Chairs: Yashar Kalani and Sean Pakbaz

10:00-10:15 Yashar Kalani (University of Virginia School of Medicine): Surgical treatment of ischemic stroke

10:15-10:30 Min Park (University of Virginia School of Medicine): Endovascular treatment of ischemic stroke

10:30-10:45 Jared Chen (University of Virginia School of Medicine): Outcomes of Endovascular management of ischemic stroke

10:45-11:00 Vernard Fennell (University of Buffalo): Emerging technologies for treatment of ischemic stroke

11:00-11:15 Sean Pakbaz (University of California, San Diego School of Medicine): Building stroke program with AI

11:15-11:30 Session Discussion

Friday April 13th 1:30-3:00 pm

A9- Artificial Intelligent, Informatics and Predictive modeling Co-chairs: Alex Bui & Pezhman Mardanpour

1:30-1:45 Luke Macyszyn (UCLA): Deploying Deep Machine learning algorithms to Segment Neural foramina in population data: Insights and Implications

1:45-2:00 Enakshi Singh (SAP Labs, LLC): SAP Health breaks down data silos

2:00-2:15 Ramesh Menon (IBM): AI Trends & Vision

2:15-2:30 Pezhman.Mardanpour (Florida International University): Constructal theories and predictive modeling using nanotechnology tools

2:30-2:45 Alex Bui (LA PRISMS Center; BD2K Center): Application Lead Center for Domain-Specific Computing

2:45-3:00 Session Discussion

Friday April 13th 3:30-5:00 pm

A16- Fractal Geometry & Computational Clinical Neurosciences Chair: Antonio Di Ieva

3:30-3:45 Yi Qian (Sciences Macquarie University, Sydney, Australia): Computational haemodynamic analysis of cerebrovascular diseases

3:45-4:00 Grabner Gunther (Carinthia University of Applied Sciences, Klagenfurt High Field MR Centre, Medical University of Vienna, Vienna): The influence of brain iron and myelin on quantitative susceptibility mapping (QSM) and R2*

4:00-4:15 Antonio Di Ieva (Macquarie University, Sydney, Australia): Features extraction and pattern analysis in the clinical neurosciences

4:15-4:30 Włodzimierz Klonowski (Nalecz Institute, Warsaw, Poland): Application of Higuchi Fractal Dimension Method in Neuroscience and in Clinical Diagnosis

4:30-4:45 Carlo Russo & Fabio Grizzi ("Michele Rodriguez" Foundation, Milan, Italy; Humanitas Research Institute, Milan, Italy): Fractal geometry based image enhancements and Multiplex analysis in brain tumors

4:45-5:00 Session Discussion