Time	Session	Speaker	Affiliation	Title
9h30 - 10h00	**Opening Chairman Frederic Precioso**	**Jeanick Brisswalter** **Jean Leonetti** **A. Frackowiak Jacobs** **C.A. Ginesy**	**Président UCA** **Président CASA** **Sous-Préfète de Grasse** **Président CD06**	*Opening ceremony*
10h00 - 10h45		**Michael Bronstein**	**Imperial College**	*Geometric Deep Learning: Past, Present, And Future*
10h45 - 11h00	**Break**			
11h00 - 11h40	**AI & Health (1) Chair Hervé Delingette & Olivier Humbert**	**Michael Brady**	**Professor Emeritus Oxford University**	*Quantitative MR Imaging of the liver, and other organs*
11h40 - 11h55		Fanny Simoes	Université Côte d'Azur	*Assessing the impact of short-term outdoor air pollution exposure on cardiac dyspnea: a case study of the Région Sud, south of France*
11h55 - 12h10		Juliette Raffort	Université Côte d'Azur	*Automated segmentation of the vascular system using a hybrid approach combining expert system and supervised Deep Learning*
12h10 - 12h25		Stéphanie Lopez	Université Côte d'Azur	*Can AI help organize systematic lung cancer screening for high risk patients?*
14h00 - 14h40	**AI & Health (2) Chair Hervé Delingette & Olivier Humbert**	**Vince Madai**	**Charity Hospital Berlin**	*AI in healthcare*
14h40 - 15h20		**Olivier Clatz**	**Commissariat Général Investissement**	*The French National Strategy in Digital Structuring of the health System*
15h20 - 15h45				
15h45 - 16h00		Irene Balelli	Inria Sophia Antipolis - Méditerranée	*Generative model of heterogeneous federated multiview datasets*
16h00 - 16h15		Samuel Deslauriers-Gauthier	Inria Sophia Antipolis - Méditerranée	*Predicting brain functional connectivity from structural connectivity using fully connected neural networks*
16h15 - 16h30		Renaud Schiappa	Centre Antoine Lacassagne	*RUBY : an IA project to allow automatic structuration of electronic medical records for breast cancer patients*
16h30 - 17h00	**Break**			
17h00 - 17h30	**AI & Sustainability Moderator E. Delhaye**	**Stefano Ermon**	**Stanford**	*Measuring Economic Development from Space with Machine Learning*
17h30 - 18h15		**Round Table**		*Can al fail to be sustainable ?*
				Feat. Gilles Floyrac, Olena Kushakovska, Alexandra Brehier, Lionel Guidi, Philippe Bardey, Nozha Boujemaa, Jerome Riboulon

SOPHI.A

Time	Session	Speaker	Affiliation	Title
8h20 - 9h00	**Smart Territory, security & safety Chairman Pierre Alliez**	**Jean-Marie Bonnin**	IMT Atlantique	*Securing local cooperations: the case of Urban ITS*
9h00 - 9h30		**Paola Goatin**	Inria	*Data driven traffic management*
9h30 - 9h45		Valentina Sessa	Mines ParisTech	*AI for smart and climate resilient energy systems: the challenges of learning and forecasting hydropower production time series at local and global scale in Europe.*
9h45 - 10h00		Matthieu Denoux	MINES ParisTech	*Applying big data and statistics techniques to create urban archetypes for long-term modelling*
10h00 - 10h15		Dhekra Bousnina	MINES ParisTech	*Multi-energy optimization in Smart Grids: a Deep Reinforcement Learning approach*
10h15 - 10h30		Rabab Akkouche	MINES ParisTech	*Reducing energy consumption in buildings using Artificial Intelligence and behavioral change*
10h30 - 10h45		Céline Duval	Géoazur	*Unsupervised anomaly and object detection benchmark on Distributed Fiber-Optic Sensing technology*
10h45 - 11h00		Matthieu Denoux	MINES ParisTech	*Using neural network to estimate the temperature in 2050 from urban land use and buildings evolution*
11h00 - 11h20	**Break**			
11h20 - 11h50	**Sustainable AI Chairman Laurent Pilati**	**Pr. Dr. Christoph Meinel**	HPI	*Binary Neuronal Networks – a Contribution to the clean-IT Initiative*
11h50 - 12h05		Romain Sumerot & al.	ACRI	*Sargasso algae Detection using Satellite Images*
12h05 - 12h20		Anthony Hock-Koon, Yannick Devaux	Amadeus	*Artificial Intelligence for Sustainable Flight Search*
12h20 - 12h35		Frédéric Feresin	Thales Alenia Space	*On board images processing using IA to reduce data transmission: example of OpsSat cloud detection*
12h35 - 12h50		Matthieu Da Silva–Filarder	Renault Software Labs	*Anomaly Dectection in heterogeneous multisensor systems*
14h00 - 14h40	**AI Fundamentals Chairman Charles Bouveyron**	**Stephane Canu**	MESRI	*Adversarial examples and robustness certificates*
14h40 - 15h10		**Elena Di Bernardino**	3IA	*Estimation of Multivariate Extreme Risk Measures*
15h10 - 15h25		Pierre-Alexandre Mattei	INRIA Sophia Antipolis	*Deep generative models and their applications in missing data problems*
15h25 - 15h40		Bamba Kane	ALTRAN	*Joint Intent Detection and Slot Filling for Conversational AI*
15h40 - 15h55		Marco Corneli	UNS / CNRS	*Late fusion multi-channel CNN: An interpretable contextualization for deep linguistic analysis*
15h55 - 16h30				
16h30 - 16h45		Aida Todri-Sanial	LIRM Montpellier	*Neuromorphic Computing based on Oscillatory Neural Networks*
16h45 - 17h00		Othmane Marfoq	Inria & Accenture Technology Labs	*Optimal Topology Design for Cross-Silo Federated Learning*
17h00 - 17h15		Davide La Torre	SKEMA Artificial Intelligence Institute	*Recent Results on Measure-Valued Images, Associated Fractal Transforms, and Total Variation Minimization*
17h15 - 17h30		Jean-Claude Belfiore	Huawei Paris Research Center	*Towards reasoning networks*
17h30 - 17h45		Elena Cabrio	Université Côte d'Azur	*Yes, we can! Mining Arguments in 50 Years of US Presidential Campaign Debates*

9h00 - 9h35	**AI & Biology Chairman Ellen Van Obberghen-Schilling**	**Carolina Wahlby**	**Uppsala University, Sweden**	*Artificial intelligence in biomedical imaging*
9h35 - 10h10		**Leopold Parts**	**Sanger Inst Cambridge**	*AI in biology-performance or under standing ?*
10h10 - 10h25		Zeinab Rekad	Institut de Biologie Valrose	*Enhancing the analysis of cellular phenotypes and large imaging data sets with AI-based techniques*
10h20 - 10h40		José Lages	Institut UTINAM	*Googlomics: the reduced Google matrix analysis applied to biological networks*
10h40 - 11h00	**Break**			
11h00 - 11h30	**AI & Management Chair Jonas Hoffmann & Ludovic Dibiaggio**	**Dominique Boullier**	**Sciences Po**	*Human and/or Machine Learning ?*
11h30 - 12h15		**Round Table** Feat. Pierre Baudelle, Bruno Bocaert, Gilles Floyrac, Olivier Pons		*AI & Strategy in Turbulence*
12h15 - 12h30		Justine Dima	Université Laval (Canada)	*Artificial intelligence and decision making in human resources management: a systematic review*
12h30 - 12h45		Stefano Triberti	University of Milan (Italy)	*Integrating Multiple Criteria Decision Making and Artificial Intelligence: Some Recent Developments*
14h15 - 14h25	**Closing Ceremony Chairman Stephane Descombes**	**Stéphane Descombes**		*Award Ceremony (posters)*
14h25 - 14h35		**Stéphane Descombes**		*Award Ceremony (demo's)*
14h35 - 15h00		**Philippe Beaudoin**	**Waverly**	*Algorithms for our better selves*
15h00 - 15h35		**François Laviolette**	**Université LAVAL**	*The potential and challenges of AI in multi-omic sciences*
15h35 - 15h40		**Gilles Floyrac**	**Amadeus & ICAIR**	
15h40 - 16h00		**J.M. Gambaudo,**	**Président IDEX-UCA**	*Closing Ceremony*