

3iA CALL FOR APPLICATIONS

PhD positions

APPLICATION DEADLINE: MARCH 14

Axis 1: Core elements of AI



AI models hybridizing machine learning and argumentation to counter online misinformation and cyberbullying

Charles Bouveyron, Université Côte d'Azur



Deep Latent Variable Models for the Analysis of Massive Heterogenous Data

Charles Bouveyron, Université Côte d'Azur



AI for archaeozoology: learning methods to identify and cluster faunal remains

Marco Corneli, Université Côte d'Azur



Analysis of multi-parameter Reeb spaces and Mappers

Mathieu Carrière, Inria



Adaptive methods for safe machine learning

Samuel Vaïter, CNRS, LJAD



Phase Transitions in Artificial Neural Networks

Emanuele Natale, CNRS

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Axis 2: AI for Integrative Computational Medicine



Novel tensor decompositions for atrial fibrillation analysis
Vicente Zarzoso, Université Côte d'Azur



Multimodal biomarker extraction for the prediction of lung cancer targeted therapy response
Hervé Delingette, Inria



AI-based precision oncology to monitor response of metastatic cancer to immunotherapy using PET/CT imaging
Olivier Humbert, Université Côte d'Azur

Axis 3: AI for Computational Biology and Bio-inspired AI

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Trainable quantization of graded spiking neural networks for streaming event-based processing on neuromorphic hardware
Benoît Miramond, Université Côte d'Azur

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Axis 4: AI for Smart and Secure Territories



Incentives for federated learning
Giovanni Neglia, Inria



Attacks and defenses against federated learning
Melek Önen, EURECOM



Machine Learning methods for source separation in distributed fiber optic sensing data
Cédric Richard, Université Côte d'Azur



Online change-points and events detection for dynamic structured data
Cédric Richard, Université Côte d'Azur



TableMind: Scalable Inference-Time Strategies for Structured Data Reasoning
Paolo Papotti, EURECOM

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Postdoctoral positions

APPLICATION DEADLINE: MARCH 14

Axis 1: Core elements of AI



Deep Latent Variable Models for the Analysis of Massive Evolving Heterogenous Data

Charles Bouveyron, Université Côte d'Azur



Self-supervised missing data imputation

Pierre-Alexandre Mattei, Inria



Neural Networks and Computational Neuroscience

Emanuele Natale, CNRS

Axis 2: AI for Integrative Computational Medicine

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AI-based precision oncology to monitor response of metastatic cancer to immunotherapy using PET/CT imaging
Olivier Humbert, Université Côte d'Azur

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Axis 3: AI for Computational Biology and Bio-inspired AI



Algorithms for curve reconstruction in super-resolution fluorescent microscopy
Laure Blanc-Féraud, CNRS



Exploration and Prediction of the Energy Landscape for Peptides and Proteins
Frédéric Cazals, Inria

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Axis 4: AI for Smart and Secure Territories



Leveraging the spatio-temporal coherence of distributed fiber optic sensing data with Machine Learning methods on Riemannian manifolds

Cédric Richard, Université Côte d'Azur



Open-World 3D Scene Understanding by Fusion of LiDAR and Vision-Language Models

Ezio Malis, Inria



Detecting Salient Sharp Features for 3D Alpha Wrapping

Pierre Alliez, Inria