MEDDAYS 2018
UCA Centers of Reference

*Boosting the Collaborations Between the Academics and the Companies*

Amar Bouali ([amar.bouali@univ-cotedazur.fr](mailto:amar.bouali@univ-cotedazur.fr))

MEDDAYS 2018
Health, well-being, aging

Smart City, prevention of risks

Digital Challenges
5 Academia of Excellence
2 Innovation Centers
3 Reference Centers
Technology Maturing & Transfer

Partnership

TRL 1-2
TRL 3-4
TRL 5-6

Research
Innovation
PoC

ACADEMIA
COMPANIES

univ-cotedazur.fr
Proof-of-Concept (PoC)

PoC

GO / NOGO

Transfert

Lock
Strategic Domains

Data & Artificial Intelligence

Systems & Simulation

Safety & Security

Digital Systems for Life & Humans
Data & Artificial Intelligence

Statistics
- Medical image analysis
- Energy consumption control & monitoring
- Tourism customer experience

Data Centers
- Mutualized Infrastructures
- Performant storage
- Performant networks

Machine learning and Algorithms
- Predictive maintenance
- Prevention of risks
- Urban infrastructures management
Systems & Simulation

Autonomous Systems
- Control command for autonomous vehicles and Robotics
- Digital perception

Internet of Things
- Intelligent sensors
- Low-power and performant hardware
- Performant communication protocols
- Embedded software

System Simulation
- HPC
- Multi-physics modeling
- Rapid prototyping
- Digital twin
- Real-time systems
Systems for Life & Humans

HMI
- Augmented reality
- 3D objects insertion
- Adaptative HMI
- Affordance

Image and Video Processing
- Medical images
- 3D scenes recognition

Life Modeling
- Bio modeling
- Patient modeling
- Graphical modeling of 3D environment
Safety & Security

Safety
- Verifiable systems and software
- Domain specific programming languages
- Certification

Security
- Secured platforms
- Cryptography
- Threats detection
- Secured communications
- Block chain
• Engineering positions to work on PoCs & collaborative projects with companies
  • Start your career in an exciting environment dealing with state-of-the-art technologies from research
  • Extend your skills working in a versatile environment implying the strategic domains’ technologies
  • Develop your experience in a rich ecosystem of research labs, schools, companies
  • Catch any opportunities to join a company or create a startup
• Stay tuned on the UCA website to learn about the job offers UCA will issue in 2018