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**ROBOTICS  
GROUP**



# CALL FOR PAPERS

## 27th International Conference



**RAAD  
2018**

**Robotics in  
Alpe  
Adria  
Danube  
Region**

**PATRAS, JUNE 6-8, 2018**

The 27th International Conference on Robotics in Alpe-Adria-Danube Region, RAAD 2018, will be held in Conference & Cultural Center of University of Patras, from June 6 to June 8<sup>th</sup>, 2018. The Conference will bring together academic and industry researchers in robotics from the Alpe-Adria-Danube Region affiliated countries and their worldwide partners in a collegial and stimulating environment. According to its tradition, RAAD 2018 will cover all major areas of R&D and innovation in robotics, including new research trends such as: bio-inspired and cognitive robots, visual servoing of robot motion, human-robot interaction, cloud robotics and personal robots for ambient assisted living.

### Conference Topics

Papers are solicited on topics related to new theories, advanced design of robot mechanics and control architectures, and development of intelligent robotic applications, including but not limited to:

- Novel design and applications of robotic systems
- Dexterous grasping, handling and intelligent manipulation
- Intelligent cooperating and service robots
- Advanced robot control
- Human-robot interfaces
- Robot vision systems and visual servoing techniques
- Mobile robots, Humanoid and walking robots
- Field and agricultural robotics
- Bio-inspired and swarm robotic systems
- Towards micro and nano-scale robots
- Aerial, underwater and spatial robots
- Robot integration in holonic manufacturing
- Personal robots for ambient assisted living
- Medical robots and bionic prostheses
- Intelligent information technologies for cognitive robots
- Education in robotics
- History of automation and robotics
- Cognitive robots and Emotional Intelligence
- Cloud robotics
- Ethical, legal and social issues of robotic

### Paper submission and proceedings

Authors are kindly asked to submit original (not published or being considered for publication elsewhere) full papers with recommended length of 8 pages in Springer format. All accepted and presented papers will be published in the Springer Series, with the title: "Mechanism and Machine Science"- Proceedings of the 27th Conference on Robotics in Alpe-Adria-Danube Region RAAD. The authors of the best RAAD2018 papers will be asked to submit the extended versions of their manuscripts for publishing in the journal special issue with JOMAC, [www.jomac.it](http://www.jomac.it), as well as in a special issue of the JCR listed journal Robotica. Best papers will be awarded in three categories: research, applications and student.

### Venue

The Conference will be held in the Conference and Cultural Center, University of Patras, Greece <http://www.confer.upatras.gr/>

### Location

Patras is the 3<sup>rd</sup> biggest city and the 3<sup>rd</sup> biggest port in Greece. Patras is rich of beautiful buildings and squares whose architecture is influenced by the Italian culture. The visitors may easily walk in Patras city center, where they may enjoy their coffee, food or drink.

### Author's Schedule

Proposals for Special Sessions: January 9, 2018  
Full paper submission: January 19, 2018  
Notification of acceptance: March 1, 2018  
Final paper submission: March 22, 2018

### Registration Fees

Full registration: 350 € (early) / 400€ (late)  
IFTOMM members: 320€ (early) / 340€ (late)  
Students: 200€ (early) / 220€ (late)  
Accompanying person: 150 €



#### Special Sessions

Send your Proposals for  
Special Sessions:

to [raad2018@upatras.gr](mailto:raad2018@upatras.gr)

**9 January 2018**

A Special Session should cover a  
specific topic in the field of robotics  
with 4-6 accepted papers

#### General Chair:

Nikos A. Aspragathos, University of Patras, Greece

#### Co-Chair:

Panagiotis Koustoumpardis, University of Patras, Greece  
Vassilis Moulaniotis, University of the Aegean, Greece

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#### Conference Secretary:

Georgia Kritikou, University of Patras, Greece

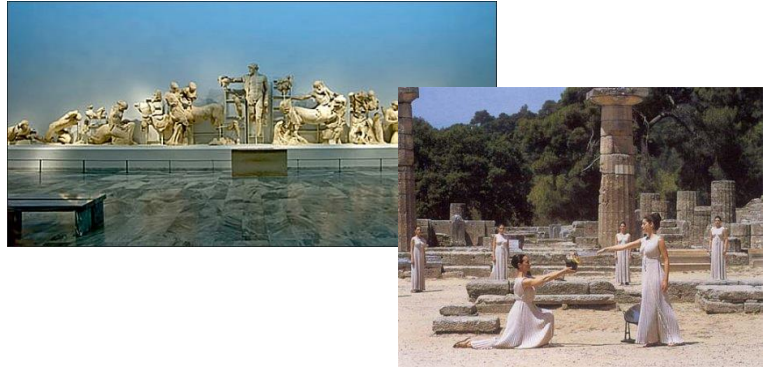
Contact: [raad2018@upatras.gr](mailto:raad2018@upatras.gr)

Website: <https://raad2018.events.upatras.gr/>

# SOCIAL EVENTS

## ANCIENT OLYMPIA & THE ARCHEOLOGICAL MUSEUM

An organized tour in the archeological region of Olympia and the archeological museum for the guests is included. It is a great opportunity for visitors to admire the place that the Olympic Games began and learn about its history.



## LANDMARKS OF PATRAS

### THE ARCHEOLOGICAL MUSEUM OF PATRAS

The New Archeological Museum of Patras is located near to the city center of Patras, Greece. It houses collections about the history of Patras and the surrounding area from prehistory to the end of Roman times. The museum was designed by the architect Mr. Theofanis Bobotis. The museum has four thematic sections, three of which permanent and one period



### ST. ANDREW CHURCH

St Andrew's Cathedral or Cathedral Church of Saint Andrew is a Greek Orthodox basilica in the east side of the city of Patras in Greece. Along with the nearby old church of St. Andrew, it constitutes a place of pilgrimage for Christians from all over the world. It is dedicated to the First-called Apostle of Christ, Saint Andrew. It is the largest church in Greece and the third-largest Byzantine-style church in the Balkans. Over the central dome there is a 5-meter-long, gold-plated cross and over the other domes there are 12 smaller crosses. These crosses symbolise Jesus and His apostles. The interior of the church is decorated with Byzantine-style wall paintings and mosaics.



### THE CASTLE OF PATRAS

The Patras Fortress was built around the mid-6th century above the ruins of the ancient acropolis, on a low outlying hill of the Panachaiko Mountain and ca. 800 m from the sea. The castle covers 22,725 m<sup>2</sup> and consists of a triangular outer wall, strengthened by towers and gates and further protected originally by a moat, and an inner compound on the northeastern corner, also protected by a moat.

