



## 19.03 – Vizita prof. Oussama Khatib, Stanford University

Data: 16.03.2018

La invitația laboratorului AI-MAS, luni 19.03 domnul profesor Oussama Khatib, directorul Stanford Robotic Lab, va vizita facultatea de Automatica și Calculatoare. Începând de la ora 10 va face o prezentare în sala PR105 și începând de la ora 14 va vizita laboratoarele de roboți ale facultății.

<https://cs.stanford.edu/groups/manips/ok.html>

Rezumatul prezentării și un scurt bio al domnului profesor sunt prezentate în continuare.



### Abstract

The Age of Human-Robot Collaboration: Deep Sea Exploration The promise of oceanic discovery has intrigued scientists and explorers for centuries, whether to study underwater ecology and climate change, or to uncover natural resources and historic secrets buried deep at archaeological sites. The discussion focuses on the development of Ocean One, a bimanual humanoid robotic diver that brings intuitive haptic physical interaction to oceanic environments. The robot was deployed in an expedition in the Mediterranean to Louis XIV's flagship Lune, lying off the coast of Toulon at ninety-one meters. Ocean One's demonstrated-ability to distance humans physically from dangerous and unreachable spaces while connecting their skills, intuition, and experience to the task promises to fundamentally alter remote work. Robotic avatars will search for and acquire materials, build infrastructure, and perform disaster prevention and recovery operations – be it deep in oceans and mines, at mountain tops, or in space.

### Biography of Oussama Khatib

Oussama Khatib received his PhD from Sup'Aero, Toulouse, France, in 1980. He is Professor of Computer Science and Director of the Robotics Laboratory at Stanford University. His research focuses on methodologies and technologies in human-centered robotics. He is a Fellow of IEEE, Co-Editor of the Springer Tracts in Advanced Robotics (STAR) series, and the Springer Handbook of Robotics. Professor Khatib is the President of the International Foundation of Robotics Research (IFRR). He is recipient of the IEEE RAS Pioneer Award, the George Saridis Leadership Award, the Distinguished Service Award, the Japan Robot Association (JARA) Award, the Rudolf Kalman Award, and the IEEE Technical Field Award. In 2018, Professor Khatib was elected to the National Academy of Engineering.



Vineri, 16 Martie 2018 09:33

## Profesorul Oussama Khatib conferențiază la Universitatea Politehnică din București



### OUSSAMA KHATIB

PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE  
DIRECTOR OF STANFORD ROBOTICS LAB

Luni, 19 martie 2018, Profesorul Oussama Khatib, directorul Stanford Robotic Lab, Stanford University va susține o conferință cu tema - **The Age of Human-Robot Collaboration: Deep Sea Exploration.**

Evenimentul va avea loc cadrul Facultății de Automatică și Calculatoare - Clădirea PRECIS, etaj I, camera 105, cu începere de la ora 10:00.

### **Abstract: The Age of Human-Robot Collaboration: Deep Sea Exploration**

The promise of oceanic discovery has intrigued scientists and explorers for centuries, whether to study underwater ecology and climate change, or to uncover natural resources and historic secrets buried deep at archaeological sites. The discussion focuses on the development of Ocean One, a bimanual humanoid robotic diver that brings intuitive haptic physical interaction to oceanic environments. The robot was deployed in an expedition in the Mediterranean to Louis XIV's flagship Lune, lying off the coast of Toulon at ninety-one meters. Ocean One's demonstrated-ability to distance humans physically from dangerous and unreachable spaces while connecting their skills, intuition, and experience to the task promises to fundamentally alter remote work. Robotic avatars will search for and acquire materials, build infrastructure, and perform disaster prevention and recovery operations - be it deep in oceans and mines, at mountain tops, or in space.

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