Armée de Terre

Académie militaire de Saint-Cyr Coëtquidan

Direction générale de l’enseignement et de la recherche

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| Robotics Seminar 2023  logo_academie |

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| ERASMUS ID CODE | FGUER01 |
| Contact | **Major (OF-3) Samuel ARNAUD**  samuel.arnaud@st-cyr.terre-net.defense.gouv.fr  +33 2 97 70 79 16 |
| Event period | **Monday 27th November** to **Friday 1st December 2023** |
| **Deadline for registration** | **15th September 2023** |
| Short description | After a presentation of the challenges in nowadays robotics and in military robotics, students will learn robotics by a practical approach (sensors, actuators, 3D vision, control of robots, avoidance of obstacle, direct and inverse kinematics, path planning …). Students will implement the moves on robots with wheels, humanoid robot -Nao- and legged robots. Help from teachers/researchers will be given including parts of scripts to concentrate the work of students on the main interesting parts. Work will be done by groups of students from different countries. |
| Requirements/profile of participants | Bachelor level. Basics of Rigid Bodies kinematics & dynamics, programing skills (at least basic programing in C, C++, Matlab) and some knowledge in signal processing. |
| **Selection of cadets** | Because of the great success of this lecture and to allow a maximum of countries to send students, the number of participants is limited. **St-Cyr academy will select participants and will send confirmation to selected academies on 09/23**. In case of late registrations, we will consider them only if some places remain free. |
| Working language | English |
| ECTS | 2 |
| Workload | 32 h |
| Additional remarks | Our academy is 45km from Rennes. **We will provide transport from airport/train station to our academy.**  Departures: Saturday 2nd December morning or Sunday if you wish to participate to Austerlitz Celebrations and ball. |

**Application Form**

Please attach your head-and-shoulder photograph data.

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| **Country of Origin:** |  |
| **Name of the Institute:** |  |

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| **Course:** |  | | |
| **From:**  **(dd/mm/yy)** |  | **To:**  **(dd/mm/yy)** |  |

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| **Man** | **Woman** | **Rank** | **Surname** | **First name** | **Service number** |
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| **Date of birth** | **Place of birth** | **Branch of Service** | **Major academic Field** | **Academic Year** |
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| **Passport number** | **Phone number** | **e-mail address** |
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| **ID number** | **Current address** | |
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| **Arrival at Rennes Airport (yes/no)** | **Arrival at Rennes rail station**  **(yes/no)** | **Arrival and departure by car**  **(yes or no)** | **Arrival date (dd/mm/yy)** | **Time of arrival** |
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| **Departure from Rennes Airport**  **(yes/no)** | **Departure from Rennes rail station**  **(yes/no)** | **Licence car plate number** | **Departure date (dd/mm/yy)** | **Time of departure** |
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| **Special dietary or food requirements** |
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| **Emergency contact/ Liaison staff:** | | | | | |
| **Man** | **Woman** | **Rank** | **Surname** | | **First name** |
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| **POC’s phone number** | | | | **POC’s e-mail address** | |
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