# RoboSoft Competition 2018 - Technical document

This form is to express your intention to participate in the *RoboSoft Competition 2018* that will be held on April 28th 2018 in Livorno*.* It is made of two parts: team information and robot information. To ensure competent entries only, a pre-selection phase will take place in which a technical committee will evaluate the eligibility of each robot. Each team should submit a video demonstrating the skills of the robot at the current stage of development. In this technical document, the current stage of development should be described altogether with expected improvements to be shown at the competition.

Please fill-in the following form (all fields are required) and send it by following the instruction at the page: <http://www.robosoft2018.org/paper_submission.html>. Further instructions regarding the next phases of the selection process will be provided with the contact information you provide.

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| **Important**: the intent form refers to *one* robot. In case your institution is planning to participate with more than one robot, an intent form should be sent for each of them. |

## Team information

### Contact person

|  |  |
| --- | --- |
| **Name:** |  |
| **Surname:** |  |
| **E-mail address\*:** |  |
| **Title (PhD, MSc, …)** |  |
| **Affiliation and position inside the institution (if any):** |  |

*\* This is the main contact that will be used hereafter, please double check it to make sure it is valid*
Cross the white box aside the most appropriate choice

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| **Your team is:** |
|  | Mainly composed of students/researchers in robotics or related fields |
|  | Mainly composed of industry people |
|  | Mainly composed of hobbists |
|  |
| **Do you have any previous experience with *soft-robotics*?** |
|  | Yes |
|  | No |
|  |
| **Did any of the team members ever participated in robotics competitions before?** |
|  | Yes |
|  | No |
| **If yes, please enter below the names of such competitions:** |
|  |
| **Please briefly describe (5-10 lines) the team motivation in participating to this robot competition:** |
|  |

## Robot information

|  |  |
| --- | --- |
| **Robot name/acronym:** |  |
|  |
| **Please help us understanding the development stage of your robot:** |
|  | A new robot will be developed from scratch and purposely for the competition |
|  | A new robot will be developed from scratch and purposely for the competition, but we can make advantage of considerable previous development of sub-components/proofs-of-concepts |
|  | We are planning to develop a new version of an existing robot purposely for the competition |
|  | We are planning to participate with an existing robot, applying just small modifications or without modifying at all |
|  |
| **To which of the following competitions are you planning to participate? Please mark one of more:**  |
|  | Terrestrial race |
|  | Manipulation |

### Robot technical description (2000 words maximum)

|  |  |
| --- | --- |
| **Robot acronym:** |  |
| **Overall weight\*:** |  |
| **Overall dimensions\*\*:** |  |
| **Describe the actuation system:**  |
|  |
| **Describe the materials adopted to manufacture the robot:** |
|  |
| **Describe the robot control system:** |
|  |
| **Describe the robot sensing system, if any:** |
|  |
| **Please insert below a photo of the robot at the current state of development:** |
|  |
| **Describe the expected improvements at the date of the competition (if any):** |
|  |

\* Please specify the weight of the robot without considering possible external actuation systems (e.g. pumps, …)
\*\* Please specify relevant robot dimensions (at least body length, width, height)

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| **Additional comments:** |
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