



THE ANTONIO D'AURIA PRIZE

2010

for projects and prototypes of innovative mechatronic devices to aid the motor disabled.

Over the last 30 years of activity, SIRI has supported the expertise in the sectors of industrial robotics and flexible automation, positioning itself as a meeting point between researcher's, manufacturer's and user's. Today the Italian industry occupies a prestigious position at the international level, whether it be in terms of quantity or quality.

New materials, new components and new design solutions have been found which offer interesting opportunities in areas apart from manufacturing. The new technology permits the realization, aside from the industrial applications, of innovative service robots for use in the domestic, health and emergency services, and hostile environment sectors.

At the same time, there is a continuous increase in the number of cases of motor disability, caused by illness or by accidents, often effecting young people. Today, the employment of mechatronic technology, besides robotics, permits the realization of various systems of assistance for people with a wide range of disability's, in particular to motor disabled persons such paraplegics, quadriplegics, phocomelics and amputees.

SIRI intends to stimulate the creativeness of European researcher's and designer's to produce innovative solutions in this field, which also have important social benefits. For this purpose, under the initiative of one of the founders of the association, a biennial prize is awarded to the best projects that fall into this category, as defined below.

Art. 1

SIRI – Italian Association of Robotics and Automation – announces a prize of 3 000 Euro for studies, plans, patents and prototypes of innovative mechatronic devices to aid the motor disabled. The prize is open to European citizens and will be given biannually.

Art. 2

The proposals must be either feasibility study's, drafts, plans, patents or prototypes of mechatronic devices not yet commercially produced and with the aim of improving the quality of life of the motor disabled. Proposals will be evaluated with respect to their feasibility, ease of use, originality in the field, potential spin-off's and associated benefits, and cost.

Particular attention will be reserved to devices for personal use of the disabled people which have a good price/performance ratio, which can have a wide spread and can lead to industrial products.



The request to participate must be received by the Secretariat of SIRI by the **30th of November 2010**, along with a brief summary, in duplicate (one copy on paper and one on CD-ROM), following the model found on the website www.robosiri.it, containing:

- Motivation and potential applications, demonstrating in particular the benefits for the motor disabled
- Description of the system with accompanying schematics (composition and mode of use)
- State of the art
- Estimate of cost of production (both for a prototype and for eventual industrial production)

The proposals will be accepted at the discretion of SIRI. If it is the work of more than one person, please indicate in the application one person who, in the case of winning, will be given the prize.

Art. 3

The jury, presided over by the President of SIRI, composed of Renzo Andrich, Paolo Berro, Arturo Baroncelli, Rosa Maria Converti, Angelo Davalli, Irene Fassi, Mario Salmon, will award the prize at their discretion by the **28th of February 2011**:

- **The Antonio d'Auria prize of 3 000 Euro**
- Diploma of merit for work particularly relevant to the aims stated above.

The jury reserves the right, at its discretion, to award no prize if no proposal is submitted which contains all the pre-requisites explained in Art. 2. The presentation of the prize will take place during **April 2009**.

Art. 4

SIRI reserves the right to publish the proposal's of the winner and the finalist's, in the manner most appropriate, with respect to the intellectual property rights of the entrants.

Those interested can receive further information from –
SIRI

Associazione italiana di robotica e automazione

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