

---

# Editorial

---

The decision to bring to life a new journal in well established field of science and engineering has inevitably to invoke, besides evident positive feelings, some doubts concerning possible role and impact of this journal. Such must have been also the case of this *Journal of Automation, Mobile Robotics and Intelligent Systems* – *JAMRIS*. The Industrial Research Institute for Automation and Measurements – PIAP, made therefore a bold move when deciding upon publishing of *JAMRIS*. It looks now like this decision was both well founded and hopefully very beneficial for further development of the field of automatic control and robotics in Poland. First of all there was indeed a need to have in this field, in our country, a journal oriented towards ambitious new realistic applications and, yet, maintaining a very good level of theoretical research reported as well as keeping to rigorous presentation of new methods and application oriented tools. One might venture to say that in present era of application driven research the existing and well established theoretically oriented journals remain always important, yet they are, perhaps, not best suited to bring together both theoreticians and practitioners. Secondly, the focus of this periodical, as expressed in its title, has been well chosen to be concerned with the area in which there exists factual, and already to a significant extent confirmed, potential to develop in Poland useful, intelligent, devices based on mobile robotic platforms, for various important applications, especially non industrial applications like stand alone automatic inspection robots, welfare service robots and others. Notable, recognized internationally, achievements of research groups associated with several universities and research institutes in Poland in the field of intelligent computing and control, together with the existing engineering expertise in construction of mobile, remote controlled, manipulators, make the challenging objective of developing in our country new mobile intelligent devices and interactive systems consisting of such devices both possible and reachable. At the same time such developments will be welcome in view of worldwide arising needs, being due, among other reasons, to security protection requirements and social changes, in particular due to ageing society. New intelligent devices can and should be produced by our industry, becoming perhaps, hopefully, one of few specializations in which we in Poland could excel. The Committee on Automatic Control and Robotics of the Polish Academy of Sciences undertook recently the initiative to propose a strategic program oriented towards both the advanced research and the applications oriented development of intelligent, interactive cooperating devices. This initiative will, hopefully, be joined by the community of researchers and specialists in the field of Computer Science, represented by the Committee on Computer Science of the Polish Academy of Sciences. It goes without further arguments that the mission of *JAMRIS* will in such situation be to enhance information exchange between the participants of this program and of other projects, and to stimulate the research activities, providing proper balance between theoretical research and the focus on new advanced applications. It is to be hoped that this mission will be successfully accomplished by *JAMRIS* under the capable guidance of the Editor in Chief and the Editorial Board.

**Krzysztof Malinowski**

Chairman of the Committee of Automatic Control and Robotics  
Polish Academy of Sciences

March of 2008