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# Robotics in Extreme Environments

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Deadline for manuscript submissions:
**closed (15 December 2019)**

## Message from the Guest Editor

Dear Colleagues,

We are pleased to invite you to submit your papers to this Special Issue of *Robotics*, "Robotics in Extreme Environments". Extreme environments can be defined as those that are so hazardous that it would be undesirable or impossible to send a human worker into the environment. Such applications are of special importance to the robotics research community, because they demand the use of robots and often cannot be done at all without major new advances in robotics. In contrast, while research on, e.g., household helper robots is certainly interesting, such jobs can still be done by human workers if needed at the present time.

Other extreme environment applications of robotics include: Inspection and maintenance of underwater and offshore infrastructure; space and planetary exploration; exploitation of increasingly deep mines; bomb disposal; rescue robotics; asbestos removal from older buildings; replacing human workers on construction sites; and numerous other applications.

Prof. Rustam Stolkin
*Guest Editor*

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## Editor-in-Chief


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## Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step.

It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

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