Search AZoM



- Home
- Directory
- Content
 - o News
 - o Articles
 - o <u>Podcasts</u>
 - o Events
 - o Courses
 - o Books
 - o Jobs
 - o Classifieds
- Journal
- Information
- Request Quote





Learn the Latest Technology with ASM's Heat Treating SocietySM

Back One

Email to Friend





SURREY

29 Sep - 3 Oct, 2008
Introduction to

Materials Science and Engineering





New Handbook Covers the Latest Accomplishments in Robotics

Ads by Google

Robot

Get Robot news & manufacturing info at IndustryWeek www.IndustryWeek.com

<u>Laboratory Automation</u>
Bespoke solutions for non standard laboratory automation.

<u>www.astechprojects.com</u>

Robotics and LGVs

Do you need a new automation strategy? www.elettric80.com

ABB ATMA Robotics

Providing industrial robots, parts, services, systems and controllers www.abb.co.za

Robots! Robots on Mars $\ \square$ and in oceans, in hospitals and homes, in factories and schools, robots fighting fires, making goods and products, saving time and lives... Robots today are making a considerable impact on many aspects of modern life, from industrial manufacturing to healthcare. Reaching for the human frontier, robotics is also vigorously engaged in the growing challenges of new emerging domains. Interacting, exploring, and working with humans, the new generation of robots will increasingly touch

people's lives. The prospect of practical robots among humans follows half a century of robotic developments that established robotics as a modern scientific discipline.

At the pinnacle of these developments, new Springer Handbook of Robotics is making its debut at the International Conference on Robotics and Automation (ICRA), in Pasadena, CA, USA, in May 2008. The handbook provides a comprehensive collection of the international accomplishments in the field and presents the very latest research in robotics. From the foundations to the social and







Steric

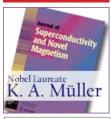
stabilization











Advertise



The all new Springer Handbook of Robotics.

ethical implications of robotics, the handbook sets new standards for future developments and challenges in this scientific discipline.

Designed for research and practice, the handbook is edited by the internationally renowned robotics experts Bruno Siciliano and Oussama Khatib. This mammoth task was supported by an outstanding team of seven part editors on: Robotics foundations; Robot structures; Sensing and perception; Manipulation and interfaces; Mobile and distributed robotics; Field and service robotics; and Humancentered and life-like robotics. A total of 165 authors worked on this authoritative handbook, the result of five

years of editing work and more than 10,000 emails to the editors' mailboxes.

Bruno Siciliano is Professor of Control and Robotics and Director of the PRISMA Lab in the Department of Computer and Systems Engineering at the University of Naples, Italy. His current research is in force control, visual serving, dual-arm/hand manipulation, lightweight flexible arms, human-robot interaction and service robotics. Professor Siciliano is the President of the IEEE Robotics and Automation Society (RAS).

Oussama Khatib is Professor of Computer Science at Stanford University, CA, USA. His current research, which focuses on human-centered robotics, is concerned with human motion synthesis, humanoid robotics, haptic teleoperation, medical robotics and human-friendly robot design. Professor Khatib is the President of the International Foundation of Robotics Research (IFRR).

The coverage of all specialist fields infringing into robotics makes this handbook a reliable desk reference for scientists and engineers in the industry. It also provides basic and more advanced content for scholars from related disciplines such as biomechanics, neurosciences, virtual simulation, animation, surgery, and sensor networks, among others.

The Springer Handbook of Robotics is part of a product line founded in 2004 by <u>Springer</u>, setting standards in physics and technology, and includes the Springer Handbook of Nanotechnology. These desk references are edited by scientific experts, with the support of numerous authors from the world of research. All handbooks include a DVD, which can be used to search the book's content.

Posted May 20th, 2008

News Archive

∆ Тор

Back One



AZoM[™] - The A to Z of Materials and AZojomo - The "AZo Journal of Materials Online"...AZoM[™].com Pty.Ltd Copyright © 2000-2008







Advertise