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This index covers all technical items—papers, correspondence, reviews, etc.—that appeared in this periodical during 2019, and items from previous years that were commented upon or corrected in 2019. Departments and other items may also be covered if they have been judged to have archival value.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of the paper or other item, and its location, specified by the publication abbreviation, year, month, and inclusive pagination. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication abbreviation, month, and year, and inclusive pages. Note that the item title is found only under the primary entry in the Author Index.

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- Ropes**
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- Safety**
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- Sawing**
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- Self-assembly**
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Semiconductor device measurement

Continuous Mechanical Indexing of Single-Cell Spheroids Using a Robot-Integrated Microfluidic Chip. *Sakuma, S.*, +, *LRA July 2019 2973-2980*

Sensor arrays

Lightweight Whiskers for Contact, Pre-Contact, and Fluid Velocity Sensing. *Deer, W.*, +, *LRA April 2019 1978-1984*

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Sensors

Accurate and Efficient Seafloor Observations With Multiple Autonomous Underwater Vehicles: Theory and Experiments in a Hydrothermal Vent Field. *Matsuda, T.*, +, *LRA July 2019 2333-2339*

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Improving User Performance in Haptics-Based Rehabilitation Exercises by Colocation of User's Visual and Motor Axes via a Three-Dimensional Augmented-Reality Display. *Ocampo, R.*, +, *LRA April 2019 438-444*

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