

**ULRICHSWEB<sup>™</sup>**  
GLOBAL SERIALS DIRECTORYYou are logged into UlrichsWeb **LOG OUT**Quick  
Search Keyword**SEARCH**[Advanced Search](#)[Browse](#)[Lists](#)[Help](#)[My Account](#) [Ulrich's Alert](#)[Ulrich's Update](#)

## Measurement Science and Technology

[← BACK TO RESULTS](#)**JCR<sup>®</sup> Web**

Click highlighted text for a new search on that item.

**Table of Contents:** [Click here to view](#)**ISSN:** 0957-0233**Title:** Measurement Science and  
Technology▼ [Additional Title  
Information](#)**Publishing Body:** Institute of Physics Publishing Ltd.**Country:** United Kingdom**Status:** Active**Start Year:** 1922**Frequency:** Monthly**Volume Ends:** Dec**Document Type:** Journal; Academic/Scholarly**Refereed:** Yes**Abstracted/Indexed:** Yes**Media:** Print**Alternate Edition  
ISSN:** [1361-6501](#)**RSS Availability:** [Click here to view](#)**Language:** Text in English**Price:** GBP 1,229 combined subscription per year to institutions (Print  
& Online Eds.)  
(effective 2010)**Subject:** [INSTRUMENTS](#)  
[PHYSICS](#)**Dewey #:** 681, 530**LC#:** QC39**CODEN:** MSTCEP**Special Features:** Bibliographies, Charts, Illustrations, Book Reviews**Article Index:** Index Available**Cols per Page:** 2**Editor(s):** Peter Hauptmann (Editor-in-Chief)**Publisher(s):** Sharon d'Souza**E-Mail:** [mst@iop.org](mailto:mst@iop.org)**URL:** <http://www.iop.org/EJ/journal/MST>**Description:** Discusses the construction of new instruments for industry and  
research laboratories.

### ADDITIONAL TITLE INFORMATION

**Title History:** Former titles (until 1990): Journal of Physics E: Scientific  
Instruments (United Kingdom) (0022-3735); (until 1970):  
Journal of Physics. E, Journal of Scientific Instruments (United  
Kingdom) (0950-1290); (until 1968): Journal of Scientific  
Instruments (United Kingdom) (0950-7671); (until 1950):

# . IOPscience

- [Login](#)
- [Create account](#)
- [Athens/Institutional login](#)

## IOPscience

### Measurement Science and Technology

All journals  This journal only

- [Search](#)
- [Collections](#)
- [Journals](#)
- [About](#)
- [Contact us](#)
- [My IOPscience](#)

- [Authors](#)
- [Referees](#)
- [Librarians](#)

## Editorial Board

### Editor-in-Chief

[P Hauptmann](#) Universität Magdeburg, Germany

### North American Regional Editor and Special Issue Editor

[J Foss](#) Michigan State University, East Lansing, MI, USA

### European Regional Editor

[D J S Birch](#) Strathclyde University, UK

### Asian Regional Editor

[K Fujii](#) National Metrology Institute of Japan, Tsukuba, Japan

### Reviews Editor

[R J Dewhurst](#) University of Manchester, UK

### Editorial Board

[X Chen](#) Peking University, Beijing, China

[U Kaatz](#) Universität Göttingen, Germany

[M Kühne](#) Physikalisch-Technische, Bundesanstalt, Braunschweig, Germany

[I Marusic](#) University of Melbourne, Australia

[J McGrath](#) University of Arizona, Tucson, USA

[Y Naruse](#) Toshiba Corp., Kawasaki, Japan

[K Okamoto](#) University of Tokyo, Japan

[M Player](#) University of Aberdeen, UK

[P P L Regtien](#) University of Twente, Enschede, The Netherlands

[R P Tatam](#) Cranfield University, Bedford, UK

### International Advisory Board

[P K Das](#) Indian Institute of Science, Bangalore, India

[Y Dong](#) Tsinghua University, Beijing, China

[T Eom](#) Korea Research Institute of Standards and Science, Daejeon, Korea

[T Fansler](#) General Motors Research Labs, Warren, MI, USA

[P Ferraro](#) Istituto Nazionale di Ottica Applicata del CNR, Naples, Italy

[M Fleischer](#) Siemens AG, Munich, Germany

[K Hishida](#) Keio University, Yokohama, Japan

[M M Koochesfahani](#) Michigan State University, East Lansing, MI, USA  
[S Morris](#) University of Notre Dame, IN, USA  
[J M Myers](#) Harvard University, Cambridge, USA  
[H Nagai](#) Fujitec International Inc., Hyogo, Japan  
[P Ripka](#) Czech Technical University, Prague, Czech Republic  
[M C Roco](#) National Science Foundation, Arlington, VA, USA  
[F Scarano](#) Delft University of Technology, The Netherlands  
[S Tadigadapa](#) Pennsylvania State University, University Park, PA, USA  
[E Tomita](#) Okayama University, Japan  
[Z Wei](#) Chinese Academy of Science, Beijing, China  
[M Wernet](#) NASA Glenn Research Center, Cleveland, OH, USA  
[P Williams](#) National Institute of Standards and Technology, Boulder, CO, USA  
[A Yacoot](#) National Physical Laboratory, Teddington, UK

#### Your last 10 viewed

1. [Solar ultraviolet radiation incident upon reef snorkelers determined by consideration of the partial immersion of dosimeters in the natural ocean environment](#)

Nathan Downs *et al* 2011 *Meas. Sci. Technol.* **22** 015801

#### Journal links

- [Journal home](#)
- [Scope](#)
- [Editorial board](#)
- [Abstracted in](#)
- [Author benefits](#)
- [Highlights of 2009](#)
- [Special issues & features](#)
- [Information for authors & referees](#)
- [Copyright & permissions](#)
- [Contact us](#)
- [Submit an article](#)

#### View by subject

All Subjects	▼
All Dates	▼
<input type="radio"/> All journals <input checked="" type="radio"/> This journal only <input type="button" value="Search"/>	

- [© IOP Publishing 2010](#)
- [help](#)
- [site map](#)
- [privacy policy](#)
- [terms & conditions](#)
- [disclaimer](#)

Please login to access our web services, or [create an account](#) if you don't yet have one.

You must have cookies enabled in your web browser to be able to login.

Username

Password

Forgotten your password? [Get a new one here.](#)

Remember me

# . IOPscience

- [Login](#)
- [Create account](#)
- [Athens/Institutional login](#)

## IOPscience

### Measurement Science and Technology

Title/Abstract All Dates  All journals  This journal only  
Quick search

- [Home](#)
- [Search](#)
- [Collections](#)
- [Journals](#)
- [About](#)
- [Contact us](#)
- [My IOPscience](#)
  
- [Authors](#)
- [Referees](#)
- [Librarians](#)

### Table of contents

[Create an alert RSS this journal](#)

### Measurement Science and Technology

#### Volume 22

#### Number 1, January 2011

#### Topical Review

012001 REVIEW ARTICLE Four-point potential drop measurements for materials characterization Nicola Bowler doi: [10.1088/0957-0233/22/1/012001](https://doi.org/10.1088/0957-0233/22/1/012001) [Tag this article](#) [Abstract](#) [References](#) [Full text PDF \(564 KB\)](#)

#### Rapid Communication

013001 Design of a wideband excitation source for fast bioimpedance spectroscopy Yuxiang Yang, Minhang Kang, Yong Lu, Jian Wang, Jing Yue and Zonghai Gao doi: [10.1088/0957-0233/22/1/013001](https://doi.org/10.1088/0957-0233/22/1/013001) [Tag this article](#) [Abstract](#) [References](#) [Full text PDF \(1.01 MB\)](#) [View as HTML](#)

#### Papers

##### Measurement methods for fluids

015401 On the calibration of astigmatism particle tracking velocimetry for microflows C Cierpka, M Rossi, R Segura and C J Kähler doi: [10.1088/0957-0233/22/1/015401](https://doi.org/10.1088/0957-0233/22/1/015401) [Tag this article](#) [Abstract](#) [References](#) [Full text PDF \(2.39 MB\)](#)

##### Imaging techniques

015501 Use of electromagnetic induction tomography for monitoring liquid metal/gas flow regimes on a model of an industrial steel caster N Terzija, W Yin, G Gerbeth, F Stefani, K Timmel, T Wondrak and A J Peyton doi: [10.1088/0957-0233/22/1/015501](https://doi.org/10.1088/0957-0233/22/1/015501) [Tag this article](#) [Abstract](#) [References](#) [Full text PDF \(1.58 MB\)](#)

##### Techniques for materials and materials processing evaluation

015701 High-temperature digital image correlation method for full-field deformation measurement at 1200 °C Bing Pan, Dafang Wu, Zhaoyang Wang and Yong Xia doi: [10.1088/0957-0233/22/1/015701](https://doi.org/10.1088/0957-0233/22/1/015701) [Tag this article](#) [Abstract](#) [References](#) [Full text PDF \(2.49 MB\)](#)

##### Measurement techniques for biological, medical and life science applications

015801 [Solar ultraviolet radiation incident upon reef snorkelers determined by consideration of the partial immersion of dosimeters in the natural ocean environment](#) Nathan Downs, Alfio Parisi and Peter Schouten doi: 10.1088/0957-0233/22/1/015801 [Tag this article](#) [Abstract](#) [References](#) [Full text PDF \(283 KB\)](#)

#### Your last 10 viewed

1. [Solar ultraviolet radiation incident upon reef snorkelers determined by consideration of the partial immersion of dosimeters in the natural ocean environment](#)

Nathan Downs *et al* 2011 *Meas. Sci. Technol.* **22** 015801

#### Journal links

- [Journal home](#)
- [Scope](#)
- [Editorial board](#)
- [Abstracted in](#)
- [Author benefits](#)
- [Highlights of 2009](#)
- [Special issues & features](#)
- [Information for authors & referees](#)
- [Copyright & permissions](#)
- [Contact us](#)
- [Submit an article](#)

#### View by subject

All Subjects	▼
All Dates	▼
<input type="radio"/> All journals <input checked="" type="radio"/> This journal only	<input type="button" value="Search"/>

Measurement Science and Technology **IOPlatinoamérica**

- [© IOP Publishing 2010](#)
- [help](#)
- [site map](#)
- [privacy policy](#)
- [terms & conditions](#)
- [disclaimer](#)

Please login to access our web services, or create an account if you don't yet have one.

You must have cookies enabled in your web browser to be able to login.

**Username**

**Password**

Forgotten your password? [Get a new one here.](#)

Remember me