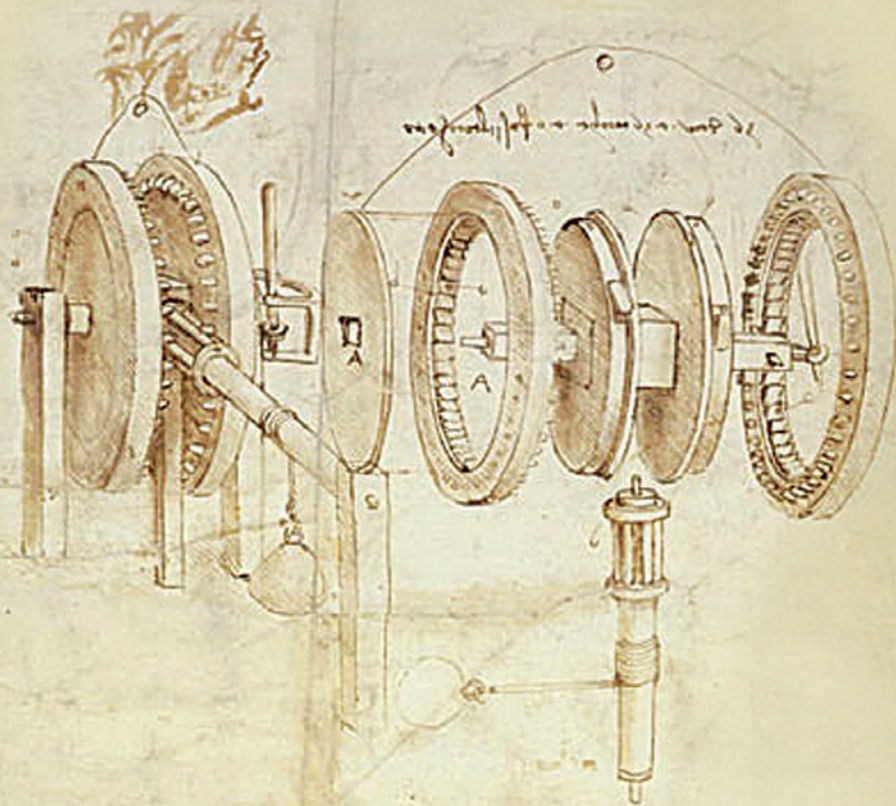


NEW FOR 2006



JINST
an IOP and SISSA journal

Journal of Instrumentation

jinst.sissa.it

www.iop.org/journals/jinst

Dear Colleague,

I wish to draw your attention to the appearance of the new *Journal of Instrumentation* (JINST). The last years have seen a huge growth in the field of instrumentation science and this major new multidisciplinary online-only journal is designed to support the modern needs of this expanding community.

JINST is a peer reviewed journal created by the International School of Advanced Studies (SISSA) and Institute of Physics Publishing. JINST's philosophy is rapid, high-quality publication at a very moderate cost. The first issue will appear online in early 2006.

JINST will not be just another instrumentation journal! JINST will become a working tool for scientists, engineers and students. JINST will not only have regular peer-reviewed scientific papers, it will have many other features including:

- Technical reports. Summarizing the results of technical studies and developments related to instrumentation, technical progress, etc.
- Invited Reviews. Reviewing the novelties in selected fields of instrumentation.
- Instrumentation Theses. A depot of relevant M.Sc. and Ph.D. Theses.
- Forum for authors' questions/answers on instrumentation issues.
- Links to web sites of instrumentation groups and other useful sites and databases.
- Links to conferences and schools of instrumentation.
- Jobs.

If you are working in one of the areas covered by the JINST scope, our Editorial Board would like to invite your submissions. As an author you will benefit from:

- User-friendly submission and online article tracking.
- Rigorous peer review by expert referees from your field.
- Exceptionally fast publication times - we aim to publish your papers within 6-8 weeks of submission.
- International recognition - all existing SISSA-IOP journals are highly recognized and already count among the best ones in their respective fields.
- No page charges, plus free colour pictures and multimedia (Video clips, 3D images etc).
- Author friendly copyright policy enabling you to post your paper to the arXiv or your personal or institutional web site

JINST is expected to grow fast – with your cooperation! Please submit your works to JINST and kindly spread our message among your colleagues and students!

Yours truly,

A stylized, handwritten signature in black ink. The signature is fluid and cursive, starting with a large, looped 'A' and ending with a long, horizontal stroke that tapers to a point.

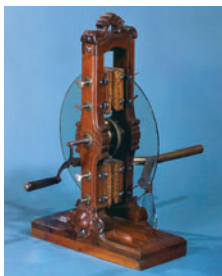
Amos Breskin
JINST Scientific Director



Glass helix tube with spheres to observe electrical discharges in gaseous atmosphere



Electrometers



One of the first glass disc electrostatic machines

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JINST scope

JINST covers all fields of radiation instrumentation. It deals with both concepts and experimental techniques as well as with related theoretical aspects, modelling and simulations. The scope of the journal will be extended in the future.

- Accelerators: concepts, modelling, simulations and sources
- Instrumentation and hardware for accelerators: particles, synchrotron radiation, neutrons
- Detector physics: concepts, processes, methods, modelling and simulations
- Detectors, apparatus and methods for particle, astroparticle, nuclear, atomic, and molecular physics
- Instrumentation and methods for plasma research
- Methods and apparatus for astronomy and astrophysics
- Detectors, methods and apparatus for biomedical applications, life sciences and material research
- Instrumentation and techniques for medical imaging, diagnostics and therapy
- Instrumentation and techniques for dosimetry, monitoring and radiation damage
- Detectors, instrumentation and methods for non-destructive tests (NDT)
- Detector readout concepts, electronics and data acquisition methods
- Algorithms, software and data reduction methods
- Materials and associated technologies, etc
- Engineering and technical issues

How to submit your article?

To submit your paper, please visit <http://jinst.sissa.it>. You will find complete instructions for using our online submission service in the author's section.

If you have already posted your paper on the arXiv, you can submit it to JINST just by selecting the keywords listed at <http://jinst.sissa.it> and providing the arXiv-number.

Where to read the journal

The journal is free to all in 2006. To read the journal, please visit <http://www.iop.org/journals/jinst>.

In 2007 the journal will be available at a low annual subscription rate to make it accessible to all. The journal will remain free to developing countries.

Editorial and advisory boards

The scientific quality of JINST and the rigorous and efficient peer review process are guaranteed by the excellent Scientific Advisory and Editorial Boards. The very large team of Editors, covering all JINST fields, closely monitors the peer review for each submission. These Boards will be occasionally extended according to the journal's needs.

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