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The European Physical Journal

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Springer Research Group

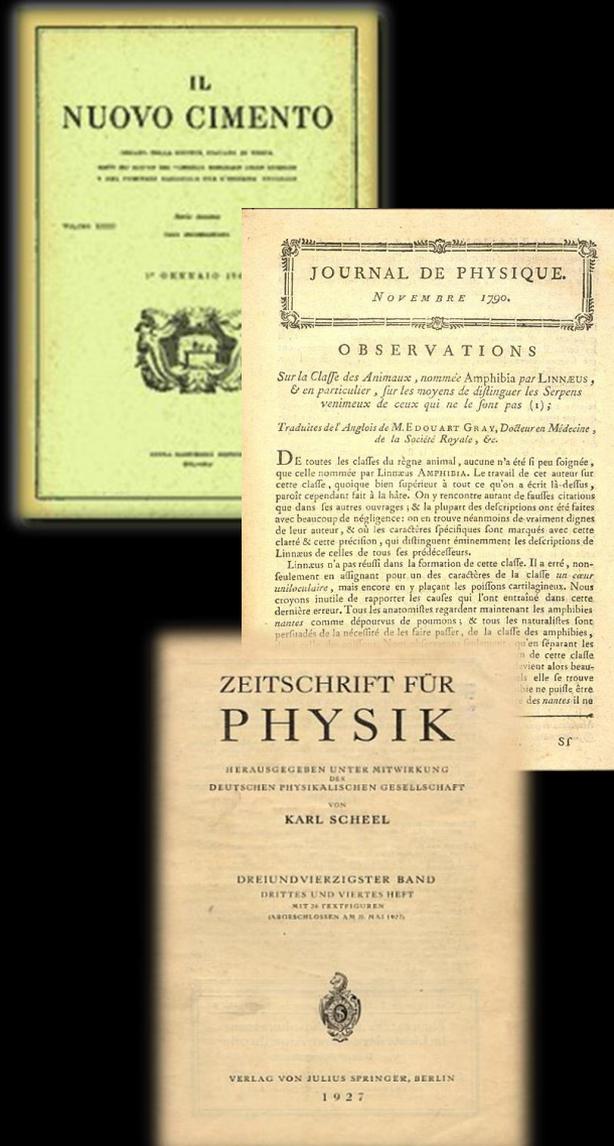


In 1998 The European Physical Journal (EPJ) was launched by EDP Sciences, Società Italiana di Fisica and Springer.

3 illustrious founding journals →

Meanwhile EPJ is a merger and continuation of

- Acta Physica Hungarica
- Anales de Física
- Czechoslovak Journal of Physics
- Fizika A
- Il Nuovo Cimento
- Journal de Physique
- Portugaliae Physica
- Zeitschrift für Physik.





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## EPJ H Editor Allan Franklin receives 2016 Abraham Pais Prize for History of Physics

Published on Wednesday, 02 December 2015 11:42



Prof. Allan Franklin

The [Abraham Pais Prize for History of Physics](#) is given annually to recognize outstanding scholarly achievements in the history of physics. [Professor Allan Franklin](#), who is an Editor of EPJ H and author of the Springer book [The Rise and Fall of the Fifth Force](#), receives the 2016 Abraham Pais Prize for History of Physics for "path-breaking historical analyses of the roles of experiment in physics and for explicating the nature of evidence and error in scientific argument".

Allan Franklin studied at Columbia University, received his PhD at Cornell University and was postdoc and instructor at Princeton University. He began his career as an experimental particle physicist and is now Professor of Physics emeritus at the University of Colorado working in the history and philosophy of science, with particular emphasis on the role of experiment in physics. He is a Fellow of the American Physical Society and has twice chaired the APS Forum on the History of Physics. In 2000 he was Miegunyah Distinguished Fellow at the University of

All current EPJ and Archives

+ Advanced search

## Open calls for papers

[EPJ D Topical Issue: Low-Energy Interactions Related to Atmospheric and Extreme Conditions](#)

[EPJ D Topical Issue: Advances in Positron and Electron Scattering](#)

[EPJ D Special Issue: Atomic Cluster Collisions](#)

[EPJD Topical Issue: Quantum Information Processing and Communication](#)

## Tweets



alex vespignani

6 Jan



Österreichische  
Physikalische  
Gesellschaft  
ÖPG

Austrian Physical Society  
Representative: E. Gornik



Belgian Physical Society  
Representative: J. Ongena



Israel Physical Society  
Representative: Y. Avishai



Latvian Physical Society  
Representative: R. Ferber



Bulgarian Physical Society  
Representative: N. Tonchev



Croatian Physical Society  
Representative: B. Tomić



The Netherlands' Physical  
Society  
Representative: P.J. Mulders



Norwegian Physical Society  
Representative: P. Osland



Czech Physical Society  
Representative: K. Rohlens



Danish Physical Society  
Representative: I. Beardien



Polish Physical Society  
Representative: J. Warczewski



Portuguese Physical Society  
Representative: J.A. Paixão



European Physical Society  
Representative: C. Lalimer



Finnish Physical Society  
Representative: K.A.  
Suominen



Roland Eötvös Physical  
Society (Hungary)  
Hungarian Academy of  
Sciences  
Representative: A. Pékös



Russian Academy of Sciences  
Representative: V.A. Rubakov



French Physical Society  
Representative: B. van  
Tiggelen



German Physical Society  
Representative: R. Klanner



Society of Mathematicians,  
Physicists and Astronomers of  
Slovenia  
Representative: I. Muševič



Spanish Royal Society of  
Physics  
Representative: J. A. de  
Azcaraga



Hellenic Physical Society  
Representative: X. Moussas



Italian Physical Society  
Representative: A. Bettini



Swedish Physical Society  
Representative: J. Cederkäll



Swiss Physical Society  
Representative: T. Jung

## The EPJ Scientific Advisory Committee

- 24 representatives from European Physical Societies
- Is consulted on matters of editorial policies, publishing ethics and models, Editor-in-Chief suggestions, ...
- SFP representative: Martina Knoop  
Chargée de mission à l'Institut de Physique du CNRS pour l'information scientifique et technique

- Physical Review versus EPJ : how to do things differently?
  - Consider new article types
  - Concept of “community journals”
  - Create journals, which have no counterparts within PR
  
- Problem: Present system (publication in high IF journals) rewards mostly standardized “result” articles.
  - Do not reflect science as it “really” happens
  - Introduce systematically a “positive bias”

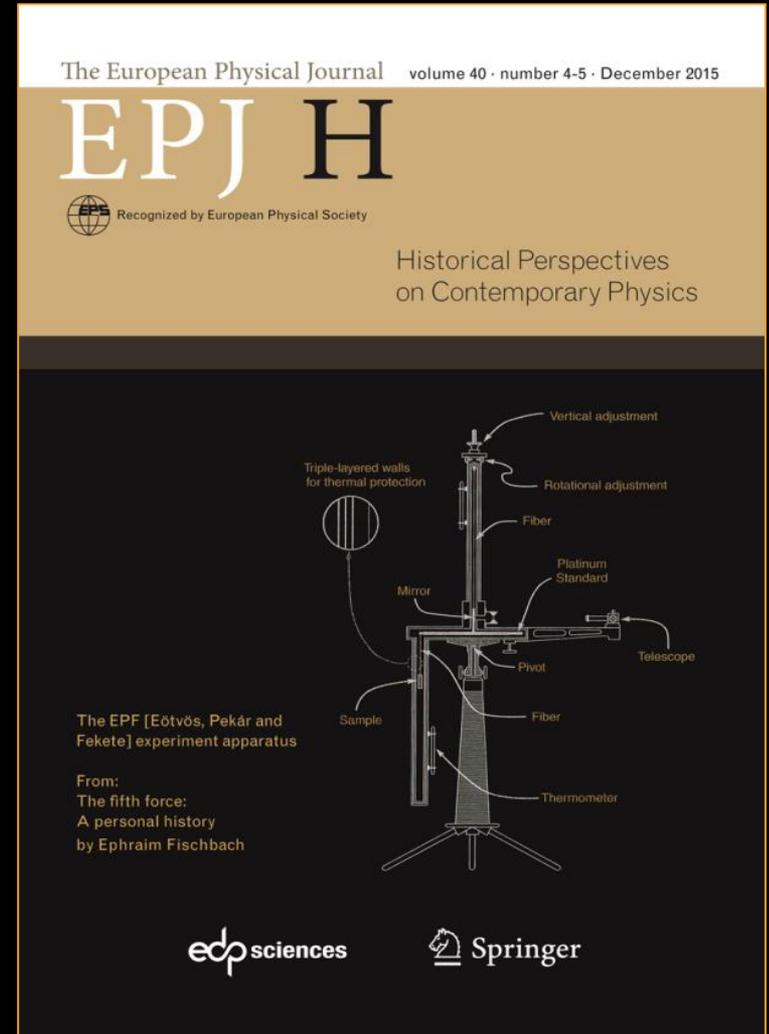


- The purpose of this journal is to catalyse, foster, and disseminate an awareness and understanding of the historical development of ideas in contemporary physics, and more generally, ideas about 'how Nature works'. **This is the only journal to address the history of physics primarily from the physics and physicists' perspective [and thus will] support physicists in any serious attempts to reflect, understand, and improve on the culture of their own discipline.**

- Example:

The fifth force: A personal history by Ephraim Fischbach (addresses in particular the issue of research methodology in the context of discovery and justification in modern physics)

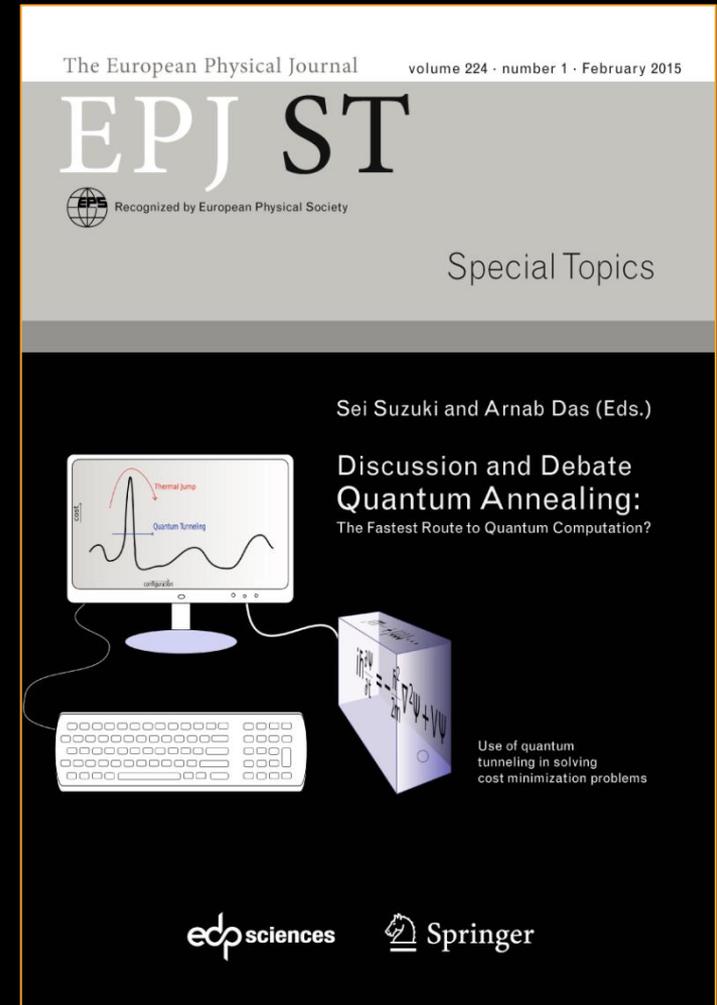
- 132 papers published, ISI listed. (previously Annales de Physique)
- Now also many unsolicited submissions





- Discussion and Debate issues: **balanced critical presentation of specific unsolved problems, controversial topics, rival theories, alternative methodologies, and negative results of interest at the cutting edge of scientific and technological development.**
- Some Discussion and Debate issue titles:
  - Rogue Waves - Towards a Unifying Concept?
  - Quantum Annealing: The Fastest Route to Quantum Computation?
  - From Black Swans to Dragon-Kings - Is There Life Beyond Power Laws?
  - The Carnot Principle Revisited: Towards New Extensions?

Titles with “?” to excite scientists to write differently!



➤ **Revive a variation of the older concept of  
“Letters to the Editor”**

- Very short, 2-3 pages
- “idea” or “discussion” papers , no “results”
- Content important, neither format nor style
- First on invitation and fast internal refereeing/assessment

So far not very succesful....

➤ **Intermediate Conclusion:**

difficult to launch new articles types and narrative styles.  
(for publication in physics journals)

➤ **But....New initiative, together with Thomas Duguet:**

“How it really happens/happened” papers

- Add elements explaining the epistemology of the subject matter (or at least as perceived/advocated by the authors)
- Add further optional elements as required/appropriate, e.g. the socio-cultural environment in which the research is carried out.

Thank you for the cordial invitation to this workshop!



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