



BERTHOLD LEIBINGER
INNOVATIONSPREIS
2010

Awarded by the Berthold Leibinger Stiftung
for Outstanding Innovative Work in Applied Laser
Technologies.



BERTHOLD LEIBINGER
STIFTUNG

Subject

The invention of the laser in the middle of the 20th century was a quantum leap: Light could now be tailored to specific needs, working very precisely and without physical contact. The advancement and acknowledgement of outstanding development and scientific work on the application or generating of laser light are one of the objectives of the Berthold Leibinger Stiftung. Its innovation and research prize shall underline the importance of a technology that is indispensable for the quality of modern life: laser technology.

The Berthold Leibinger Innovationspreis is biennially awarded since the year 2000. The call for entries is international and again in 2010 three prizes will honor innovative works on applied laser technology.

By **December 1, 2009** applications and proposals must be received by the foundation.

The Berthold Leibinger Zukunftspreis is a prize honoring outstanding research with a monetary award of 30,000 euros, as it is scientific research which lays the foundations of innovation. You cannot apply for this prize.

The Berthold Leibinger Stiftung GmbH was founded in 1992 as a nonprofit, private foundation, and its objectives include the fostering of science and research. Further information on the Berthold Leibinger Stiftung can be found in the internet at www.leibinger-stiftung.de

Prize Money and Award Ceremony

Three innovation prizewinners will be awarded with a prize money, none of it earmarked for any specific purpose:

First Prize:	30,000 €
Second Prize:	20,000 €
Third Prize:	10,000 €

The Berthold Leibinger Innovationspreis will be awarded together with the Berthold Leibinger Zukunftspreis in a ceremony on July 9, 2010.

Conditions of Participation

The competition for the Berthold Leibinger Innovationspreis addresses innovations whose main development efforts and market success or potential lies in the application or generating of laser light. There is no restriction with regard to the field of application.

All individuals and project groups worldwide are eligible to participate. Submitted work must be completed and disclosure must not be restricted. At the time of application it should either be published or be free for publication. Confidential information can be included as an attachment labeled as confidential. Any important author/inventor of the work should be included adequately. Excluded are employees of companies that are members of the TRUMPF Group.

Participation results from either a personal application or a proposal. Those who are proposed should be asked for their consent. They will be informed on their participation in the competition by the foundation. Those who will be nominated by the jury are supposed to join the jury session and cooperate in public relation efforts. Travelling costs will be reimbursed.

The documents can be formulated in English or German and can be submitted by mail or email.

The Berthold Leibinger Stiftung reserves the right to make changes and modifications to the conditions of participation. Legal action is excluded.

Applications

An application contains

- the submission form for applications;
- written documentation on the work (in accordance with the structure as stipulated below), of between 5 and 10 DIN A4 pages in length;
- a biography of the applicant or of the members of the project group applying, of max. 2 pages in length respectively;
- an explanation of approximately one page in length describing the context within which the work was carried out.

The written documentation must be structured as follows:

1. an abstract of 5 to 10 lines in English
2. the technological state of the art
3. a description of the innovation, with pictures if possible
4. how the solution was reached
5. the advantages or technological benefits of the innovation in relation to the state of the art
6. practical utility and/or benefits

Proposals

To send us a proposal of the work of somebody else who should be considered within the competition for the Berthold Leibinger Innovationspreis, please include

- the submission form for a proposal;
- a short description of the outstanding scientific work;
- the reasons for the proposal.

Criteria

The work submitted will be evaluated in terms of progress of scientific findings in relation to the state of the art, the scientific quality and technical creativity as well as the individual achievements. Practical utility and benefits are very important issues.

The core of the innovation of applications should directly be related to the effects or influence of laser light.

Innovation shall be understood as the overall process including all steps from recognizing a demand, creating an idea, finding of the necessary basics, the product development and manufacturing of a marketable product. The term is not limited on technical products but can likewise be used for any process or method.

From the submitted work the jury selects nominees who are invited to present their work at the jury session in April 2010. The prize winners will then be chosen from those nominated based on their presentation and discussion.

Jury

Stephen Anderson
Associate Publisher and Editor-in-Chief
of Laser Focus World

Prof. Dr. med. Hans-Peter Berlien
Chief Physician of the Laser Medical Department,
Elisabeth Hospital Berlin

Prof. Dr.-Ing. Hubertus Christ
President of the DVT – German Federation
of Technical and Scientific Associations

Prof. Dr. Theodor Hänsch
Max Planck Institute for Quantum Optics

Prof. Dr.-Ing. Helmut Hügel
University of Stuttgart,
Institute for High-Power Beam Technologies

Prof. Dr. Ursula Keller
Swiss Federal Institute of Technology Zurich,
Institute for Quantum Electronics

Prof. Dr. med. John Stuart Nelson
Medical Director of the Beckmann Laser Institute

Prof. Dr. Hans-Jürgen Quadbeck-Seeger
Former Research Executive Director of BASF SE

Prof. Dr. Orazio Svelto
Technical University of Milan, Department of Physics

Prof. Dr.-Ing. Hans-Jürgen Warnecke
Fraunhofer Institute for Manufacturing Engineering
and Automation

Contact

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