

MAX-BUCHNER-FORSCHUNGSSTIFTUNG

Max-Buchner-Forschungsstiftung, Postf. 15 01 04, D-60061 Frankfurt am Main

Mr.
Prof. Joseph Kost
The Israel Institute of
Chemical Engineers
Chemical Engineering Bldg.
Technion
32000 Haifa
ISRAEL

Ihre Nachricht vom
Your letter of

Ihre Zeichen
Your Ref.

Unsere Zeichen
Our Ref.

Telefon/Phone
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Datum
Date

ÖMK/MBFSt/KR -289

January 2011

Invitation to propose candidates for the DECHEMA Prize 2011 of the Max Buchner Research Foundation

Dear Professor Kost

The DECHEMA Prize of the Max Buchner Research Foundation is awarded annually to honour outstanding research and development in the fields of chemical and process engineering, biotechnology and chemical equipment. Young researchers' work will be preferred which is of fundamental importance and is likely to lead to further development and application in the chemical engineering sector. Nominations of industrial candidates are welcome.

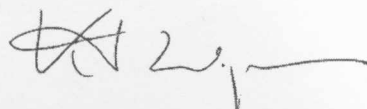
Since the year 2001 researchers from any European country are eligible for the award, and you are invited to propose one or more candidates. Please refer to the enclosed Guidelines for details concerning the award conditions and nomination procedure. The enclosed attachment lists the accomplishments of the prizewinners over the last ten years. All prizewinners since the DECHEMA Prize was created in 1951 are listed in the internet (www.dechema.de/ehrungen).

We would like to draw your attention to the fact that proposals for the 2011 award should be submitted by March 18, 2011. The proposals should be accompanied by an assessment of the quality of the candidates' work, a curriculum vitae and recent relevant publications. The outstanding work which merits the award and the anticipated innovations resulting from it must be clearly expounded.

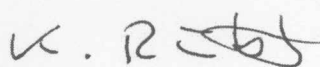
If you would like to propose one of your own students or co-workers for the DECHEMA prize, please provide additional positive assessments of competent colleagues.

Yours sincerely

Max Buchner Research Foundation
Honorary Administration



Dr. Kurt Wagemann



Dr. Kathrin Rübberdt

Enclosures
Guidelines for the Award
DECHEMA Prize Winners of the last 10 years

Guidelines for the Award of the DECHEMA Prize of the Max Buchner Research Foundation

The Administrative Committee of the Max Buchner Research Foundation decided at its meeting on 29.11.1950 in Frankfurt am Main to promote the development of chemical equipment, chemical engineering and biotechnology, and especially to support research in these areas, by annually awarding a Prize in the amount of 5,000 DM. The Prize, which is awarded in recognition of outstanding work in the said areas, was increased to 10,000 DM on 14.12.1960, 15,000 DM on 14.12.1973, 20,000 DM in July 1980, 25,000 on 29.11.1985, 30,000 DM on 17.11.1989, and € 20,000 on 7.6.2001.

The following guidelines concern the implementation of the Committee's decision:

1 Name of the Prize

In honour of the founder of DECHEMA Gesellschaft für Chemische Technik und Biotechnologie e.V., Dr. phil. Dr.-Ing. E.h. Senator E.h. Max Buchner (1866-1934), who coined the acronym DECHEMA, the Prize is called the DECHEMA Prize of the Max Buchner Research Foundation (abbreviated to "DECHEMA Prize"). For the sake of clarity the year in which the Prize is awarded is added to the name.

2 The Prize amounts to € 20,000 in monetary terms.

3 The Prize is awarded annually (see also 8 below).

4 The Prize is presented at a public Award Ceremony.

It comprises

- a) a certificate from the Administrative Committee of the Max Buchner Research Foundation, stating the work for which it has been conferred;
- b) the sum of money specified in item 2;
- c) a gold medal.

5 The Prize is awarded in recognition of the following types of work:

Research and development in the fields of chemical engineering, process engineering, biotechnology and chemical equipment. Such work should be of fundamental importance and should show promise of further development. Preference is given to young researchers. Originality of work, interdisciplinarity between chemistry and chemical engineering, scientific and technical progress are major assessment criteria.

The term "chemical equipment" covers not only chemical equipment construction, but also laboratory and analytical techniques, instrumentation, control and automation technology, mechanical engineering, plant engineering and materials technology.

Candidates should preferably be European and have carried out their work at universities, other scientific research institutions, or in industry.

Nominations submitted to the Administrative Committee of the Max Buchner Research Foundation should be accompanied by a statement of the outstanding achievements of the candidate together with a publications list, copies of recent relevant publications and a curriculum vitae.

6 The Administrative Committee will, if necessary, take further publications into consideration to determine the eligibility of candidates.

7 The Administrative Committee of the Max Buchner Research Foundation, in consultation with other experts, will select the prizewinner.

8 In the case of two candidates of equal merit the Administrative Committee reserves the right to share the Prize between these candidates. By the same token, the Prize may be awarded twice in one year if no eligible candidate was identified in the preceding year.

9 The Committee's decision on the award of the Prize is final. There is no possibility of appeal.

10 The name of the prizewinner will be published in "Chemie Ingenieur Technik", the journal co-edited by DECHEMA, and in other journals and daily newspapers in Germany and abroad.

11 The announcement of the DECHEMA Prize and these Guidelines are publicized in the form of

- a) press releases,
- b) information to university teaching staff and industrial experts who are active in the fields of chemical equipment, chemical engineering, biotechnology, and related areas.

The announcement is publicized as and when necessary.

Frankfurt am Main, 6 June 2005

**DECHEMA Prize Winners of the Max Buchner Research Foundation
for the last 10 years**

- 2001 Prof. Dr.rer.nat.habil., Jürgen Rühle, Freiburg
Pioneering experimental, theoretical and application-oriented work on the functionalization of interfaces by surface adhering macromolecules
- 2002 Andreas Gutsch, Dr.-Ing., Marl
Pioneering work in the field of gas phase synthesis of nanoparticles from interdisciplinary basic research to industrial application.
- 2003 Bernhard Hauer, Prof. Dr.rer.nat., Ludwigshafen
Pioneering experimental work on the use of bio-catalysts for the synthesis of chiral compounds and their industrial application
- 2004 Olaf Deutschmann, Prof. Dr.rer.nat. habil., Karlsruhe
Fundamental research in the field of fluid dynamic modelling of complex reactive systems based on detailed, physical studies
- 2005 Johannes Pieter Jansens, Prof. dr.ir., Delft, Niederlande
Pioneering work on crystallization and development of integrated separation techniques, ranging from molecular understanding to process design.
- 2006 Steven M. Howdle, Prof. Dr., Nottingham, United Kingdom
In recognition of his outstanding contribution to the innovative use of supercritical fluids for the synthesis and processing of polymers with a wide range of applications including bioactive materials.
- 2007 Bert M. Weckhuysen, Prof. dr.ir., Utrecht, Niederlande
In recognition of his excellent developments of combined in-situ spectroscopic methods and their application to industrial catalytic processes.
- 2008 Wolfgang Wiechert, Prof. Dr.rer.nat., Siegen
In recognition of his ground-breaking work on the modelling of metabolic processes that leads to a quantitatively and experimentally proven description of biological systems and their industrial use.
- 2009 Lutz Mädler, Prof. Dr.-Ing. habil., Bremen
In recognition of his outstanding achievements in the production of nanomaterials by flame spray pyrolysis for applications in sensor technology, catalysis and medical technology.
- 2010 Rolf Müller, Prof. Dr., Saarbrücken
for his outstanding research resulting in the discovery and biosynthesis of microbial substances for pharmaceutical applications

The complete list of the DECHEMA Prize Winners since 1951 is registered in the internet:
http://www.dechema.de/en/dechema_award_winners.html