

The

Drs Edith und Klaus Dyckerhoff Foundation

in the *Stifterverband für die Deutsche Wissenschaft*

is awarding for the

appreciation of pioneering contributions to research or professional achievements in the invention and/or development of application or manufacturing processes in the field of hydraulic binding agents

an endowment of € 30.000

Klaus Dyckerhoff Prize

From the motives of the benefactors, Drs Edith and Klaus Dyckerhoff

The Romans were already using cement-like binding agents for their constructions called Opus Caementitium. Only at the start of the industrial age was this technology again seized upon and further developed by industry from the middle of the 19th century through systematic research. This was the time of the establishment of the first cement works in Germany (*Bleibtreu, Dyckerhoff, Spohn, Schwenk*) and the *Verein Deutscher Zementwerke*, which made a decisive contribution to this research and development.

Hard competition forces cement manufacturers of today to manage costs strictly, even to cut them in vital research and development areas. Public research funds are drying up due to the difficult situation of public finances.

Private initiative increasingly has to compensate for these shortages. The *Drs Edith and Klaus Dyckerhoff Foundation* in the *Stifterverband für die Deutsche Wissenschaft* has made a substantial contribution to promoting young scientists and rewarding extraordinary achievements in the field of cement-based building sciences and technologies since 1994.

Building today and in the future is measured by how it contributes to sustainable development in terms of social, economic and ecological goals. Liveable homes and workplaces in an intact environment require economic and ecological efficiency through intelligent use of the available material and energy resources.

Against this background, existing and yet to be researched manufacturing and usage technologies for cement-based construction (manufacturing of construction materials as well as structural design, construction, usage and elimination) must be constantly evaluated and encouraged with creative impulses.

The prize will be given to – *exclusively upon the recommendation of third parties*

– individuals but also working groups in

- European universities
- Research departments of scientific and technological institutes of the construction and building materials industry
- Research departments from the construction and building materials industry

for

- exceptional individual work, in particular by young researchers with or without a doctorate

or

- long-term achievement in the field of building materials research

The achievement to be recognised should preferably have been made in the research and usage fields

- Material interaction between the manufacturing process and the usage of hydraulic binding agents
- Increases in energy and material efficiency of cement-based constructions
- Innovative development in the extraction of raw materials and preparation of cement and Portland cement clinker, in particular in the burning and grinding process
- The development of new areas of application for proven as well as newly developed hydraulic binding agents

Nominations may be made by the holders of relevant chairs in European universities, the directors of scientific and technological institutes in European associations of the construction and construction material industry, and the directors of the research departments of European cement companies. Self-nominations for this prize will not be considered.

The prize is awarded biennially.

Nominations for the third award should be made not later than May 2011.

The following documents are requested:

The nominated scientific work together with a letter of recommendation from the nominator, CV (with photograph), list of publications, degree and, if applicable, doctorate of the candidate.

or

A detailed CV with a description of the individual positions and scientific merits of the nominee in the field of construction material research, justification of the nomination and two further letters of recommendation for the candidate.

The board of trustees of the Foundation will decide upon the awarding of the prize based upon a corresponding recommendation by the Foundation's jury which critically appreciates the nominations and reserves the right to also refer to external scientific expert opinion. Taking legal action against the decision of the panel is excluded.

Five copies of the nomination are to be sent to:

Jury der Dres. Edith und Klaus Dyckerhoff-Stiftung
c/o Verein Deutscher Zementwerke e. V.
Tannenstr. 2
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