

Call for Applications for the Directorship of IBS Research Centers

The Institute for Basic Science (IBS) was established by the Korean government in November 2011 with the goal to create a world-class research institute in the basic sciences. To achieve the goal, IBS has appointed 16 internationally renowned scholars as IBS Director and is going to appoint 34 more directors until 2017.

Now, IBS invites applications for the IBS Directorship in the designated research area. The Designated Research Area was selected to foster the basic science which is of national and international importance for the future and to create research hub for each research area. The designated research areas and specific research contents are as follows:

- **Mathematics:** Scientific Computing, Arithmetic and Algebraic Structure, Randomness, Nonlinearity, Dynamics
- **Theoretical Fundamental Physics:** Particle & Nuclear Theory, String Theory & Gravitation/Field Theory, Astrophysics & Cosmology, Other related research areas
- **Condensed-Matter and Complex Systems Theory:** Strongly Correlated Electron System, Statistical Physics, Biological Physics, Computational Physics, Interdisciplinary Physics Studies, Other related research areas
- **Science of Global and Regional Environmental Changes:** Anthropogenic Climate Forcing and Biogeochemical Cycles, Climate Physics, Responses of Marine Ecosystem, The Coastal Zone including Extreme Events, Integrated Impact Assessment of above, Other related research areas
- **Optics-based Basic Science:** Ultraintense Field Optics, Photochemistry, Optical Spectroscopy, Photobiophysics, Other related research areas
- **Basic Science for Advanced New Materials:** New Carbon Allotropes, Molecule-based Bio-materials, Materials for Sustainable Energy, Other related research areas
- **Basic Science for Bio-Nano Convergence:** Bioinspired materials, Functional Regulators of Cellular Organelles, Novel Magnetic Materials for Nanomedicine and Biosensing, Plant Biomaterials, Other related research areas

Additional Information: Please visit our website at <http://www.ibs.re.kr/en> to see the full information on the invitation and to see the frequently asked questions (FAQ) on IBS Research Center.

Application Submission: Please download application form and send your application as a single PDF to: <http://www.ibs.re.kr/en/apply>. Applications in the designated research area listed above are open for two years from the date of the announcement; applications submitted before **31st January, 2013** will be reviewed first.

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Note: Application including modified research area within IBS designated research area may be accepted.

TUM is the first university in Germany to reinforce its recruitment policy with a comprehensive tenure track system. Based on best international standards and transparent performance criteria, **TUM FACULTY TENURE TRACK** offers merit-based academic career options for high-potential young scientists, from the appointment as Assistant Professor through a permanent position as Associate Professor and on to Full Professor.

The **Institute for Advanced Study of the Technische Universität München (TUM-IAS)** invites applications for the prestigious

Rudolf Mößbauer Tenure Track Assistant Professorship

initially pay-scale grade W2.

Within its Fellowship program, the TUM-IAS awards up to four Rudolf Mößbauer Tenure Track Professorships to outstanding, high-potential young scientists who have already achieved a major scientific or technological breakthrough and who have the ambition of developing a new field of endeavor at TUM. Applications are invited in the following areas of the TUM research portfolio:

- Biomedical and Clinical Instrumentation
- Bioinorganic Chemistry, Surface Organometallic Catalysis and Electrocatalysis
- Molecular and Cellular Engineering
- Theoretical Foundations of Technology
- Nanoscience
- Environmental and Energy Engineering
- Systems Modeling, Knowledge Engineering and Computing

The initial appointment will be for six years. After positive evaluation in the sixth year, the candidate is tenured on an Associate Professor level. In exceptional cases, the tenure evaluation may be initiated after a minimum of three years. Such cases will have to be justified by outstanding achievements of the candidate and when the candidate contributes to strategically shaping the university's profile.

Eligible candidates hold a doctorate, have established a strong track record in the postdoctoral phase, can show evidence of at least one major scientific contribution, and have demonstrated pedagogical and personal aptitude. Candidates must also have considerable international experience and fulfill the mobility requirements of the Marie Curie COFUND program within EU's 7th Framework Program (i.e., no more than 12 months residence and/or employment in Germany in the three years preceding the publication date of the call).

More information on TUM-IAS, the Rudolf Mößbauer Tenure Track Professorship, and detailed employment conditions can be found under: www.tum-ias.de/how-to-apply/rudolf-moessbauer-tenure-track.html

Rudolf Mößbauer Tenure Track Fellows are expected to develop independent and vigorous programs, including the acquisition of research funds and the societal positioning of their fields. Furthermore, candidates should be committed to excellence in undergraduate/graduate teaching and in supervising PhD students, although the emphasis of the Professorship lies in the creative development of the proposed new field of science and/or technology.

As part of the Excellence Initiative of the German federal and state governments, TUM is pursuing the strategic goal of substantially increasing the diversity of its faculty. As an equal opportunity and affirmative action employer, TUM explicitly encourages nominations of and applications from women as well as from all others who would bring additional diversity dimensions to the university's research and teaching strategies. Preference will be given to disabled candidates with essentially the same qualifications. The TUM Munich Dual Career Office provides support for dual-career couples and families.

Applications are submitted online via www.onlineforms.tum.de/rmttf/ and should include the following documents: CV, list of publications including three selected reprints, a statement on research and teaching goals and strategies, and the names and addresses of at least three references. The deadline for application is **February 28, 2013**.

**Institute for Advanced Study
Technische Universität München
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Inquiries should be addressed to:
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