



Press Release

Humboldt Research Award goes to Materials Scientist Professor Roger Reed

Professor Dierk Raabe, chief executive of the Max-Planck-Institut für Eisenforschung (Max Planck Institute for Iron Research), successfully nominated jointly with Professor Eggeler from the Ruhr University Bochum (both in Germany) Professor Roger C. Reed for this year's Humboldt Research Award granted by the Alexander von Humboldt Foundation.

Professor Roger C. Reed, currently at the University of Oxford (UK), is a world-leading materials scientist specialized in high temperature materials and nickel-based superalloys as used for jet engines and power generation applications. During his research career of twenty years Reed's major research topics are in the fields of deformation mechanisms in single crystal superalloys under creep and thermal-mechanical fatigue conditions; the analyses of phase transitions and oxidation reactions and quantitative approaches for process modelling for example for models of welding and forging. The Max-Planck-Institut in Düsseldorf will host Professor Reed for his further research on advanced superalloys from the beginning of March 2013.

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Max-Planck-Institut
für Eisenforschung GmbH
Max-Planck-Straße 1
D-40237 Düsseldorf

Public Relations

Yasmin Ahmed Salem, M.A.

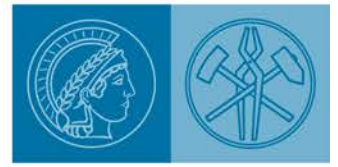
Telefon +49 (0)211-6792-722
FAX +49 (0)211-6792-218
E-Mail ahmedsalem@mpie.de

Geschäftsführung
Prof. Dr. J. Neugebauer
Prof. Dr. D. Raabe
Prof. Dr. M. Stratmann
Dr. K. de Weldige

Handelsregister B 2533
Amtsgericht Düsseldorf
USt-Id.-Nr.: DE 11 93 58 514
Steuernummer: 105 5891 1000

WestLB Düsseldorf
BLZ 300 500 00
Konto 3 188 216

Postbank Essen
BLZ 360 100 43
Konto 18 310 432



The Alexander von Humboldt Foundation yearly awards outstanding international researchers with the Humboldt Research Award. This award comes with a prize money of 60 000 Euros. The awardees have to be scientists from outside Germany and are characterized by their innovative and trendsetting work in their respective research field.



Professor Roger Reed got the Alexander von Humboldt Award for his outstanding research in the field of materials science.

The MPIE conducts research on structural metallic alloys and related materials. An essential target of the investigations is an improved understanding of the complex physical processes and chemical reactions of these materials. In addition, new high-performance materials with outstanding physical and mechanical properties are developed for use as high-tech structural and functional components. In this way, basic research is amalgamated with innovative developments relevant to applications and process technology. The MPIE is financed in equal proportions by the Max-Planck Society for the Advancement of Science and the Steel Institute VDEh.