Extract from OP-SF NET

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Subject: Position for Special Functions Team Leader

The National Institute of Standards and Technology (NIST) (http://www.nist.gov/)
anticipates an opening within the next 12 months for a Special Functions Team
Leader. This is a position for a mid-career or exceptionally well-qualified junior
mathematician. The principal duties involve the coordination and advancement
of the NIST Digital Library of Mathematical Functions and related projects. In
addition, ample time is provided for independent research in relevant
mathematical areas.

NIST has a long history in special functions going back to the early tables that
led up to the 1964 Handbook of Mathematical Functions (Abramowitz and
Stegun, eds.), through the long subsequent period of development of special
functions software, to the recent online release of the NIST Digital Library of
Mathematical Functions (http://dlmf.nist.gov/) and coincident publication of
the NIST Handbook of Mathematical Functions (Olver, Lozier, Boisvert and Clark,
eds., Cambridge University Press, 2010).

The current special functions project team consists of NIST mathematicians
together with NIST experts in information technology (IT), mathematical
knowledge management, interactive 3D graphics of curves and surfaces, and
scientific applications in physics and other areas. This team is augmented by
respected mathematicians and scientists at universities and research institutions
from around the world. Team leadership duties include responsibility to
coordinate IT and math developments, including DLMF/Handbook content
improvement, augmentation and correction arising from team members and the
general scientific public; monitoring of errata reports and maintenance of a
record of all corrections; online release of updated content; communication with
external publisher on sales, promotion, revised printings, and second and later
editions; development and monitoring of external contracts for specific project
tasks; and planning and promotion of a high-impact research agenda in special
functions and mathematical knowledge management among team members.

Qualifications include an advanced degree (or equivalent experience) in
mathematics with emphasis on classical real and complex analysis, numerical
analysis and scientific computing; experience with numerical computing,
symbolic computation, computer programming and advanced document
processing of mathematics for print and online dissemination; strong written
and oral communication skills; and participation in project work as the team
leader or a team member with leadership potential. A research track record in
theory, computation and application of special functions, together with solid
participation and visibility in these areas, is highly desirable.

This anticipated position is within the Applied and Computational Mathematics
Division (http://www.nist.gov/itl/math/) of the NIST Information Technology

Laboratory. US citizenship is required. NIST is an equal-opportunity employer. For further information about employment at NIST, see http://www.nist.gov/hrmd/perks.cfm.

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