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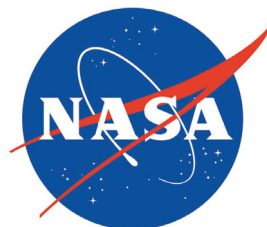
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NASA LANGLEY RESEARCH CENTER-- COMPUTATIONAL MATERIALS EXPERT

The NASA Langley Research Center in Hampton, Virginia is seeking an expert in computational materials. This expert will serve in a Senior Scientific and Professional (ST) civil service position in the Research Directorate, a leader in research and technology development capabilities required by the present and future needs of our Aeronautics Research, Exploration and Space Operations, Space Technologies, and Science stakeholders. NASA has been performing computational materials research over the past two decades with an emphasis on the systematic, critical and intensive search for scientific knowledge that can then be applied to the development of lightweight advanced materials and structures for aerospace applications. The challenges are formidable, with exceptional and rewarding opportunities to pursue scientific discovery by exploiting the vast untapped potential of the computational design, development and deployment of advanced engineered materials.

The successful candidate for this position is expected to

- Lead and participate in activities aimed at advancing the state-of-the-art in understanding the fundamental physical phenomena associated with materials properties and behavior using computational methodologies, interactions between multiple length and time scales, and by identifying practical approaches to reduce the time of the insertion of new materials for aeronautics and exploration applications.
- Interface with experts within the materials, structures, and complementary fields (such as material science, chemistry, physics, mathematics and computer science) to identify collaborative research and apply his/her knowledge and experience to the investigation of these research topics.
- Advocate for agency programmatic support and establish collaborations with other government agencies, industry, and academia.
- Couple improved computational modeling and experimental techniques for design of multifunctional materials, and serve as a critical link between academia, industry, and other Government agencies.
- Publish results of his/her work in peer-reviewed journals, present invited lectures in international forums, serve as a mentor and resource to other researchers in the field, and participate in center, agency and national level committees.

Creativity, Ambition, Teamwork. A sense of daring. A probing mind. That's what it takes to join NASA, ranked first in the Government's Best Places to Work in 2012 and 2013.

Visit <http://www.usajobs.gov/GetJob/ViewDetails/376954500> to read the complete job announcement and application procedures. Applications must be submitted via the online application process no later than October 31, 2014. Learn more about the Research Directorate at NASA Langley Research Center by visiting <http://researchtech.larc.nasa.gov>

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