

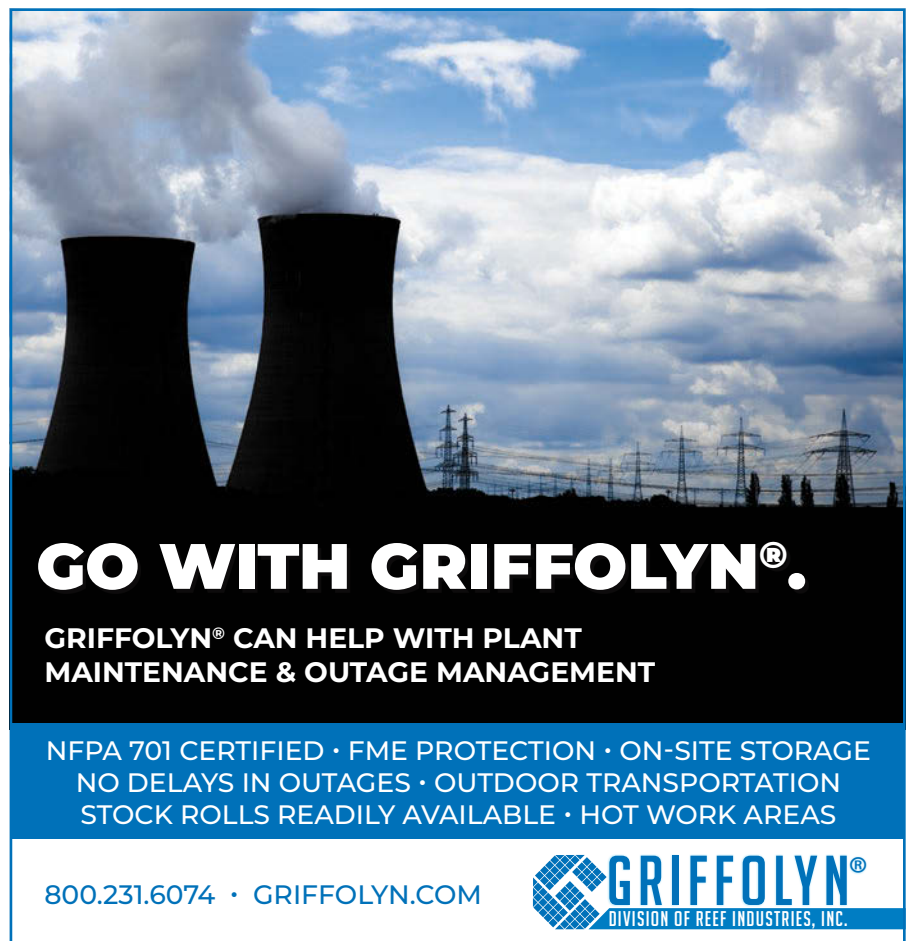
Education

magnets to replace some of the energy-intensive resistive magnets with all-superconducting magnets, which will decrease the operating costs and increase capabilities and instrument availability.”

He added, “The enormous interest in driving fusion power reactors using magnetic confinement with HTS magnets as the plasma confinement tool has revived the possibility that the huge expansion of the HTS production capability will also reduce the cost of conductors for electric utility use. This area is once again of great promise, and there is an important public-private partnership driving HTS superconducting technology forward. With strong fusion programs at ORNL and very strong superconducting magnet programs at MagLab and the FAMU-FSU College of Engineering, there are excellent opportunities for collaboration here, too.”

Productive tracks

The collaboration among ORNL, FAMU, and FSU is opening many research opportunities for students, professors, and other investigators who are working in a wide range of fields, including nuclear energy and engineering, other forms of energy, materials science, neutron science, superconductivity, magnetism, and even plant biology. The Neutron Nexus program will enhance this collaboration and increase these research and learning opportunities. The graduates of the FAMU-FSU College of Engineering’s new Department of Materials Science and Engineering will be the beneficiaries of this institutional cooperation, guided onto productive tracks for their own future contributions to the engineering professions. ☒



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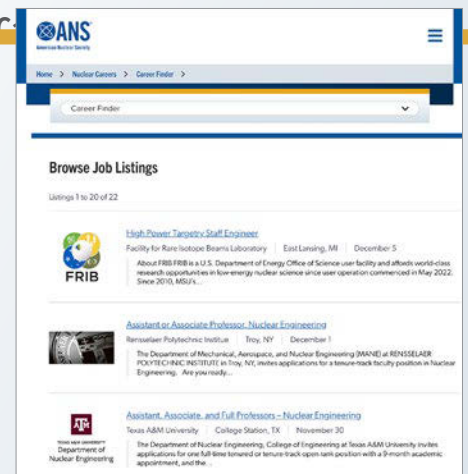
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