Dr. Isheim preparing the plasma cleaner at the LEAP tomograph operated at Northwestern University’s center for atom-probe tomography (NUCAPT). The plasma cleaner, manufactured by Cameca, was recently acquired with financial support from the ISEN program, and is used to optimize electrodes and samples for the study of energy-related materials such as nickel-based superalloys used in land-based and aerospace turbine power conversion systems, next-generation semiconducting materials and devices for microelectronics, or high-strength creep resistant aluminum-based alloys for light-weight structural applications.

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