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### Coming up . . .

**January**—National Laboratories

**February**—Nuclear Applications

**March**—World Reference Issue/  
Education and Training

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## Special Section:

### Robotics and Remote Systems

Robotics R&D for legacy nuclear waste

BY LEONEL E. LAGOS AND DWAYNE E. MCDANIEL

SRNL robotics and remote systems for nuclear applications

U.K.-led initiatives in advanced robotics for decommissioning

BY RUSTAM STOLKIN

Status of nuclear robotics in South Korea

BY JISUP YOON, SUNGMOON JOO, AND YOUNG SOO PARK

## Power

Senate bill on integrated energy systems would boost nuclear. Atlantic Council puts a value on civilian nuclear. Nuclear Regulatory Commission issues report on nuclear plant safety. Southern Nuclear executives say Vogtle-3 and -4 can hit in-service dates. Environmental impact statements issued for Turkey Point and Surry subsequent license renewals.

## International

Unit 2 of Russia's Novovoronezh II plant begins commercial operation ahead of schedule. International Atomic Energy Agency selects new director general. World Association of Nuclear Operators elects new president at 15th biennial meeting. Fuel loading under way at Canada's Darlington-2. Report shows 76,000 jobs in Canadian nuclear sector. World Nuclear Association reports that nuclear generation in Asia rose by 12 percent in 2018.



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## Waste Management 40

Idaho and Department of Energy reach agreement on research reactor fuel. Orano delivers its first MP197HB spent fuel cask. U.K. regulators release report on geological disposal of high-level radioactive waste. United Kingdom explores use of satellite data in nuclear site cleanup. New Mexico pushes for cleanup of uranium mining contamination. Fifteen major DOE Office of Environmental Management contracts set to expire in 2020. Researchers develop microrobots capable of removing uranium from wastewater. Nuclear Regulatory Commission approves use of Three Mile Island-1 decommissioning funds for spent fuel management.

## Fuel 46

Department of Energy resumes leasing public lands in Colorado. Global Nuclear Fuel and X-energy team up to produce HALEU fuel. Centrus and DOE finalize contract to demonstrate HALEU production at American Centrifuge Plant. Nuclear Regulatory Commission issues environmental assessment and finding of no significant impact for Metropolis Works license renewal. NRC issues second draft environmental assessment for Columbia Fuel Fabrication Facility license renewal.

## Isotopes & Radiation 50

Canada's TRIUMF to play key role in actinium-225 and germanium-68 production. Nuclear Regulatory Commission imposes civil penalties on three firms.

## Research 52

Department of Energy laboratories garner R&D 100 Awards from *R&D World* magazine.

## Industry 54

Framatome opens SPEC 200 facility in Lynchburg, Va.; other business developments. Rolls-Royce inks deal with Brazilian laboratory; other contracts.

## Standards 56

New standard published; other standards actions.

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