

Ball Aerospace Highlights Commitment to Mission Partnerships at 35th Annual Space Symposium in Colorado

The Ball exhibit and speaking engagements to include technology, science and innovation

COLORADO SPRINGS, Colo., April 5, 2019 — From technology demonstrations to Class A national capabilities, Ball Aerospace serves as a trusted mission partner to its customers, delivering affordable, innovative and resilient mission-level solutions to address the nation's most difficult challenges in national security, civil space and commercial aerospace.

Ball will showcase a wide-range of capabilities on display in Exhibit Booth #523 at the 35th annual Space Symposium, held April 8-11 in Colorado Springs, Colo., including:

- **Operational and Defense Weather:** Ball is an industry leader in the design and development of advanced operational weather systems for civil and military customers. As a mission partner to NASA, NOAA and the Department of Defense, Ball plays a leading role in executing on programs that fill critical weather data gaps, including the Ball-built JPSS-1 satellite, now NOAA-20, that is performing flawlessly nearly a year into its operational lifetime, and the Weather System Follow-on (WSF), currently in development.
- **Sustainable land imaging:** Ball is committed to ensuring the long-term sustainability of the national's land imaging architecture by developing innovative, reliable, cost effective instruments that continue Landsat's 45+ year data record. Leveraging its heritage and expertise in calibration, Ball is developing smaller instruments including two high-calibrated land imaging technologies with significantly reduced size and mass: Compact Hyperspectral Prism Spectrometer (CHPS) and the Reduced Envelope Multi-Spectral Imager (REMI).
- **Science at any scale:** From cubesats to large flagship missions and everything in between, Ball works with its customers to develop solutions at the scale and price point needed to meet the science goals of each individual mission. For example, Ball is providing the Wide Field Opto-Mechanical Assembly for the Wide Field Instrument for NASA's Wide Field Infrared Survey Telescope (WFIRST). Ball was also recently selected to build the spacecraft (based on the Ball Configurable Platform, or BCP) for the Spectro Photometer for the History of the Universe, Epoch of Reionization and Ices Explorer (SPHEREx) and serves as the principal investigator and integrator for NASA's Green-Propellant Infusion Mission (GPIM), which is awaiting launch this year.

At Space Symposium, Ball leaders will speak at the following events:

Saturday, April 6

- "Space Generation Fusion Forum." Melissa Sampson, Advanced Systems manager, will lead a breakout session on Workforce Development Topics, supporting AIAA.

Sunday, April 7

- "Fusion Forum" Keynote. Debra Facktor, Ball Aerospace, vice president and general manager, Strategic Operations

Monday, April 8

- Leadership Exchange "Speed Mentoring" in the Colorado Hall. Dr. Makenzie Lystrup, Ball Aerospace vice president and general manager, Civil Space and Dr. Mike Gazarik, Ball Aerospace vice president, Engineering
- "Cyber 1.9 Classified Panel: Resiliency Across Segments." Steve Smith, Ball Aerospace vice president and general manager, Systems Engineering Solutions.

"Tech Track" Presentations, Monday, April 8

- Thomas Kampe, *The Compact Hyperspectral Prism Spectrometer for Sustainable Land Imaging: Enhancing the Capabilities for Addressing Earth's Challenges*
- Sara Tucker, *A High-heritage US Doppler Wind Lidar for Next-Generation Space-based Wind and Aerosol Observations*
- Eli Minson, *The First Full Year of Campaigns and Lessons Learned*
- Sue Hagerty, *An Innovative, Near-real-time Approach to Space Situational Awareness (SSA) Data Simulation*
- Michael Berberich, *Leveraging the GPM Microwave Imager (GMI) Calibration Standard for Next Generation defense Weather Mission*

Wednesday, April 10

- “Space Classified Panel: Industry Reflections I.” Dr. Dave Kaufman, Ball Aerospace vice president and general manager, National Defense.

Powered by endlessly curious people with an unwavering mission focus, **Ball Aerospace** pioneers discoveries that enable our customers to perform beyond expectation and protect what matters most. We create innovative space solutions, enable more accurate weather forecasts, drive insightful observations of our planet, deliver actionable data and intelligence, and ensure those who defend our freedom go forward bravely and return home safely. Go Beyond with Ball.® For more information, visit www.ball.com/aerospace or connect with us on [Facebook](#) or [Twitter](#).

About Ball Corporation

Ball Corporation supplies innovative, sustainable packaging solutions for beverage, personal care and household products customers, as well as aerospace and other technologies and services primarily for the U.S. government. Ball Corporation and its subsidiaries employ 17,500 people worldwide and reported 2018 net sales of \$11.6 billion. For more information, visit www.ball.com, or connect with us on [Facebook](#) or [Twitter](#).

Forward-Looking Statements

This release contains "forward-looking" statements concerning future events and financial performance. Words such as "expects," "anticipates," "estimates," "believes," "targets," "likely," "positions" and similar expressions typically identify forward-looking statements, which are generally any statements other than statements of historical fact. Such statements are based on current expectations or views of the future and are subject to risks and uncertainties, which could cause actual results or events to differ materially from those expressed or implied. You should therefore not place undue reliance upon any forward-looking statements and any such statements should be read in conjunction with, and, qualified in their entirety by, the cautionary statements referenced below. The company undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Key factors, risks and uncertainties that could cause actual outcomes and results to be different are summarized in filings with the Securities and Exchange Commission, including Exhibit 99 in our Form 10-K, which are available on our website and at www.sec.gov. Additional factors that might affect: a) our packaging segments include product demand fluctuations; availability/cost of raw materials and logistics; competitive packaging, pricing and substitution; changes in climate and weather; footprint adjustments and other manufacturing changes; failure to achieve synergies, productivity improvements or cost reductions; mandatory deposit or other restrictive packaging laws; customer and supplier consolidation, power and supply chain influence; changes in major customer or supplier contracts or a loss of a major customer or supplier; political instability and sanctions; currency controls; changes in foreign exchange or tax rates, including due to the effects of the 2017 U.S. Tax Cuts and Jobs Act; and tariffs, trade actions, or other governmental actions in any country affecting goods produced by us or in our supply chain, including imported raw materials, such as pursuant to section 232 of the U.S. Trade Expansion Act of 1962; b) our aerospace segment include funding, authorization, availability and returns of government and commercial contracts; and delays, extensions and technical uncertainties affecting segment contracts; c) the company as a whole include those listed plus: changes in senior management; regulatory action or issues including tax, environmental, health and workplace safety, including U.S. FDA and other actions or public concerns affecting products filled in our containers, or chemicals or substances used in raw materials or in the manufacturing process; technological developments and innovations; litigation; strikes; labor cost changes; rates of return on assets of the company's defined benefit retirement plans; pension changes; uncertainties surrounding geopolitical events and governmental policies both in the U.S. and in other countries, including the U.S. government elections, budget, sequestration and debt limit; reduced cash flow; interest rates affecting our debt; and successful or unsuccessful joint ventures, acquisitions and divestitures, including with respect to the Rexam PLC acquisition and its integration, or the associated divestiture; the effect of the acquisition or the divestiture on our business relationships, operating results and business generally.

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