

Welcome to NASA at SC10

Greetings SC10 Participants:

As the world's supercomputing community gathers in New Orleans to celebrate the latest breakthroughs in high-performance computing—along with this resilient city's rich history and culture—it is my pleasure to invite you to visit NASA at Booth #3839 on the SC10 conference floor. At our exhibit, you'll learn first-hand how Agency supercomputers are enabling key advances in aviation safety and efficiency, exploration of the universe, design of next-generation space vehicles, and the understanding of our home planet.

It is especially fitting that one of the themes of this year's conference is climate simulation. Since Hurricane Katrina in 2005, NASA researchers have developed remarkable, high-resolution simulations of this devastating storm's track, intensity, and near-eye wind distributions. When visiting our exhibit, you will see how these simulations, augmented by amazing visualizations, are now providing insight into global tropical storm formation and development that could ultimately save lives and reduce property damage around the globe.

You will also hear how high-fidelity aeronautics simulations, aimed at reducing aircraft landing-gear noise, will contribute to improving the sonic environment near metropolitan airports. At the same time, our scientists are continuing the challenging work of predicting and analyzing potential and actual sources of debris that pose risk to remaining Space Shuttle missions during launch and in orbit. And, as the Agency charts a new course for space exploration, its high-end computers are facilitating the design and development of heavy-lift and multipurpose crew vehicles that will take astronauts beyond low-Earth orbit.

While at SC10, I hope you take advantage of the opportunity to meet some of the talented and dedicated men and women of NASA, whose work continues to benefit America and the world.



A handwritten signature in black ink that reads "C. Bolden". The signature is stylized, with the first name "C." and last name "Bolden" clearly legible.

Charles Bolden
NASA Administrator