

Dance for Physics



All dance is about time, space, and light," says Mark Baldwin, who, as artistic director of Rambert Dance Company, choreographed Constant Speed, a dance inspired by the concepts of special relativity and Brownian motion. The dance was commissioned by the UK's Institute of Physics in celebration of Einstein Year, as the World Year of Physics 2005 is known in some countries. It opens in London on 24 May.

At the start of Constant Speed, "the dancers are dressed in white. In the end, they are all colors, as if pushed through a prism," says Baldwin. The dance is "packed full of movement," he adds. "Imagine the hips are some kind of molecule that is out of control, so the body can lunge in all directions. It's a driving, muscular piece."

The dance is "hanging what we hope will be an important piece of art on a scientific stimulus," says Jerry Cowhig, head of IOP Publishing. "We never wanted anything pedagogical, but merely for it to be inspired by Einstein. It's meant to be abstract and expressionist."

At the same time, IOP hopes the dance will raise the profile of physics and of the institute. That may be aided by Rambert's traditional discussions at schools and after performances. In this case, IOP will include an educational leaflet and physicists will join Baldwin and the performers for the discussions. With dance audiences, says Cowhig, "we are hitting new targets."

Constant Speed has received wide attention in the UK press, in part because it is Baldwin's first creation for the 80-year-old Rambert Dance Company. The piece will debut with three other dances from the company's repertoire and will tour the UK for the next year.

Toni Feder



ANTHONY CRICKMAY

Dancers in Constant Speed.

(DOE) research center managed by the University of Chicago, has an annual operating budget of \$475 million and employs about 2700 people.

Rosner points to the increased use by biologists of Argonne's x-ray facility, the Advanced Photon Source (APS), and to stronger ties between the University of Chicago and the lab

as hallmarks of Grunder's tenure. "I am confident that we can replicate this kind of success in other areas within the lab's research portfolio," says Rosner.

Gaining a better understanding of biological systems through microbial genomics and related protein encoding is one of several objectives identi-

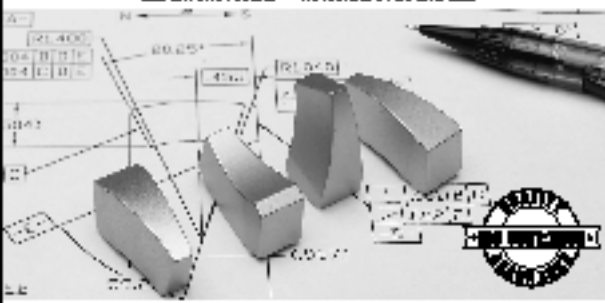
fied under the 20-year plan, and is a major thrust of DOE. The laboratory also plans to expand its nanoscience, computational science, and accelerator programs. Argonne is working with the state of Illinois to build a center for nanoscale materials, studying pathogens in collaboration with the National Institutes of Health, and

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