BACK SCATTER VR's balancing act Some 1 million people in the US live with multiple sclerosis (MS). In the experiments, 14 participants with MS and a same-sized group Among other symptoms, the disease makes them far more susceptible without the disease walked on a treadmill while viewing a virtual to falling than the general population, and because people living with hallway, shown in the picture. The researchers randomly accelerated MS have decreased bone density, they're more likely to break bones. the hallway so the participants would feel like they were losing their Even those who show minimal or no other symptoms still fall, so balance. The two groups walked similarly under normal conditions, researchers have been working toward understanding who with MS but the optical perturbations uncovered differences: Participants with might be most at risk. Now Jason Franz from the University of North MS significantly varied their stride length and wobbled, whereas those Carolina at Chapel Hill and his colleagues have applied virtual-reality without MS were more steady. The VR tool may help doctors diagnose (VR) technology to better investigate the balance issues of people previously undetected balance problems. (B. P. Selgrade et al., PloS ONE 15, e0230202, 2020; photo by Franz Lab/UNC.) with MS. TO SUBMIT CANDIDATE IMAGES FOR BACK SCATTER VISIT https://contact.physicstoday.org.