



**Lutz-P. Nolte, PhD** is professor emeritus for Surgical Technology and Biomechanics at the University of Bern, Switzerland. He received the M.Sc. and Ph.D. degrees in Civil Engineering from the Ruhr-University Bochum, Germany, in 1980 and 1983. In 1987 he established the Orthopaedic Research Group at the same institution, focusing his work on orthopaedic biomechanics. In 1990, Dr. Nolte joined the Bioengineering Center at Wayne State University in Detroit, MI, USA and extended the scope of his research to computer aided surgery in collaboration with the Department of Neurosurgery.

In 1993, he took over the Orthopaedic Biomechanics Division at the Maurice E. Müller (MEM) Institute for

Biomechanics in Bern. He organized the 1st Annual CAOS-Symposium in 1995 in Bern bringing together about 20 pioneers in the field. In 2001 the Bern and Pittsburgh CAOS-Symposia joined forces at the symposium in Davos and the International Society for Computer Assisted Orthopaedic Surgery (CAOS-International) was founded with Dr. Nolte as its first President. From 2001 to 2013 Dr. Nolte has been the co-director of the Swiss National Center for Competence in Research (NCCR) "Computer Aided and Image Guided Medical Interventions" ([www.co-me.ch](http://www.co-me.ch)). In 2002 he became the director of the Institute for Surgical Technology and Biomechanics at the University of Bern. From 2007 to 2012 Dr. Nolte has been the director of the Artificial Organ Center for Biomedical Engineering Research at the same institution.

The strategic vision of his work was to advance healthcare by integrating education, discovery, innovation and entrepreneurship. This effort is supported by encouraging a new partnership between clinicians, laboratory scientists and engineers. Dr. Nolte has start-up experience. He co-founded Orthopaedic Services, ConCoord and Medivision, the latter a surgical navigation technology company, and since then various start-ups in the field of image guided interventions have emerged from his laboratories.

In 2001, Dr. Nolte joined the Swiss Confederation's Innovation Promotion Agency and became President of the Start-up & Entrepreneurship division in 2013. He was also co-founder and a long standing member of the management board of the Medical Cluster, a network of Swiss manufacturers, suppliers, service providers and R&D institutions along the value added chain of medical technology. As of 2011 he is vice-president and founding member of the foundation board of the Swiss Institute for Computer Assisted Surgery ([www.si-cas.com](http://www.si-cas.com)). In 2013 he became a regular member of the Swiss Academy of Technical Sciences (SATW). Currently he is senior innovation advisor at the vice-rectorate of the university of Bern and CEO of the Translational Imaging Center (TIC), a clinically driven center for Ultra High Field Magnetic Resonance Imaging.