

COMPUTATIONAL MECHANICS OF MATERIALS AND STRUCTURES - IN MEMORY OF CHRISTIAN MIEHE (1956-2016)

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ABSTRACT

This minisymposium is dedicated to Christian Miehe, who so abruptly passed away after suffering from a serious illness in August of 2016. Christian Miehe provided groundbreaking contributions to the finite element method, developed efficient and elegant numerical frameworks for the constitutive modeling of materials. He made seminal contributions to the understanding of physical phenomena in materials and structures, a field which is concerned with the simulation of advanced engineering problems using modeling techniques, computer implementation, experimental verification, and case study investigations.

He was a prolific writer and a brilliant and internationally recognized researcher in computational mechanics of materials and structures. He still had so many promising ideas across several areas of computational mechanics. With this minisymposium we invite friends, former students, and colleagues to honor Christian Miehe's contributions in this field by presenting related own research. Our esteemed colleague and friend left us too early.