

Åsa Unander-Scharin (PhD, Prof.) is an artist-researcher in the intersection of opera, dance, music, interactive technology and robotics. In 2008 her doctoral thesis: *Human mechanics and soulful machines* was published. She holds a position as professor of music performance at Luleå university of technology, and years 2013-15 she was member of The Committee for Artistic Research at The Swedish Research Council. Her internationally acclaimed artistic work started in 1998 when she created the first choreography for an industrial robot, *The Lamentations of Orpheus*, that was awarded an honorary mention from VIDA 2.0. Her interactive mechatronical puppet *Petrushkas' Cry* received the audience special prize in VIDA 9.0, and in 2010 her emotionally captivating robotic swan *Robocygne* created a newsworthy item that reached as far as the USA, India, Canada and Singapore. She has choreographed and directed two dance films for the Swedish television, interactive and robotic installations, and about 40 dance and opera performances at Swedish Radio/ Berwald Hall, Stockholm Royal Opera, The Dance Museum, Vadstena Academy, Operadagen Rotterdam, Deutsche Oper am Rhein in Düsseldorf, Cape Town Opera, The Liszt Academy in Budapest, and Computer-Human-Interaction conferences in Toronto, Paris and San José. Recent works include two experimental operas *Callas: Medea* for the Croatian National Opera and *The Tale of the Great Computing Machine* commissioned by the KTH Royal Institute of Technology, *Suite Processionis*, and a new creation for double choir, dancer and hyperorgan in September 2023.

Artistic work: www.operamecatronica.com

LTU website: www.ltu.se/staff/a/asauna-1.12342