

Bio

From 1994 to 2017 Bruno Friedmann (*1954, Bühl/Baden, Germany) was Professor at the Faculty of *Digital Media, Furtwangen University*.

During his basic studies (in the 1980th) at the *Universität Karlsruhe* and partly at the *Hochschule für Musik Karlsruhe* of communication technique, biomedical engineering and cybernetic, he already liked to focus on system theory and cybernetic aspects and its applications to human interaction like perception and making of sound and music, acting and reacting physically and mentally.

At *Furtwangen University* he was teaching computer languages like Java and JavaScript and in the frame of „auditive experience in digital media“ his lectures included digital sound generation, psychoacoustics and perception of sound, space and music.

His interests and research topics are still within the frame of sound and space perception, cross-modal interactions, system theory, modelling and algorithmic composition. A comprising and exemplary project thereto is his composition *Sequenza III spatialized*: the music of the composition of Luciano Berio's *Sequenza III*, is moved intensively in space, controlled by audio descriptors of the musical content itself. It was performed at the BEYOND festival 2013, ZKM Karlsruhe.

Prof. Dr. Bruno Friedmann was co-founder of the bachelor study *Musikdesign*, a common project of *Furtwangen University* and *Staatliche Hochschule für Musik Trossingen*, focusing on computer-aided music, sound and multimedia enhancement.

Since he had spent a sabbatical at IRCAM 2007 he uses the comprehensive and distinguished IRCAM-Software and mostly Max/MSP to realise his ideas, compositions and musical software projects, which have been performed at Zentrum für Kunst und Medien (ZKM) Karlsruhe, Staatliche Hochschule für Musik, Trossingen, Theater Pforzheim, Le Séchoir, Mulhouse.