From Dance to Code: A 20-Year Journey

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This presentation showcases the development of the unique educational initiative called AlgoRythmics, which began in 2005 and was envisioned by Dr. Zoltán Kátai. Both then and now, the goal has been to combine the development of algorithmic thinking with art, making the basic principles of programming—especially sorting and searching algorithms—visually and culturally comprehensible. The period before 2016 marked the era of experimental pedagogy and the birth of the first videos. After 2016, however, the platform gained international recognition on YouTube, among educators, students, and laypeople alike. Between 2016 and 2025, AlgoRythmics attracted global attention, became a part of digital culture, and shed new light on how art and computer science can be combined to make learning more experiential. The presentation reflects on the key milestones of this period: the artistic representation of algorithms through movement, the viral success of the videos, and how AlgoRythmics can serve as an interdisciplinary educational model for the future—where "the movement of code" is no longer just a metaphor, but a pedagogical reality.