

## Biography

Andrey Smirnov (1956) is an interdisciplinary artist, independent curator, author, composer, educator, researcher and developer of interactive computer music techniques.

He is a founding director and senior lecturer at the Theremin Center for Electroacoustic Music at Moscow State Conservatory, founder and artistic director of the Moscow Laptop Cyber Orchestra, the lecturer at the A. Rodchenko School of Photography and Multimedia.

Since 1976 he is conducting independent research and developments of electronic music techniques, gestural interfaces, hardware and software sensor technology with particular interest in non-linear methods of interpretation using custom hardware and software.

He has attended numerous festivals and conferences in the U.S., Europe and Russia.

In 1992 he founded the Theremin Center for Electroacoustic Music at Moscow State Conservatory and in 1995, in co-operation with the Soros Center for Contemporary Arts, Moscow, he has founded the Cross-Media Studio to initiate crossdisciplinary projects and cooperation between technologists, visual artists and musicians.

Since 1992 he teaches courses on history of electroacoustic music and multimedia, sound design and composition, new musical interfaces and sensor technology, introductory digital audio signal processing and sound synthesis, acoustics and psychoacoustics at the Theremin Center at Moscow State Conservatory, since 2003 he teaches course "Acousmatics and Interaction" at Pro Arte Institute in St.Petersburg and since 2006 a course on Sound Design at Moscow University for Psychology and Education.

He has conducted various workshops and master classes in the U.S., Europe and Russia, including CCRMA at Stanford Univ., Bregman Studio at Dartmouth College (USA), Sibelius Academy (Helsinki), STEIM (Amsterdam), Bercllee College of Music (USA), TIMARA Dept. at Oberlin College Conservatory of Music (USA), Ithaca College (USA), Princeton University (USA), Univ. Central Oklahoma (USA), EMS at University of Illinois, Urbana Champaign (USA), Music Academy in Basel (Switzerland), Podewil (Berlin), TESLA (Berlin), Academy of Media Arts, Koeln (Germany), Conservatorio di Musica Giuseppe Verdi, Milano (Italy), EMS, Stockholm (Sweden), Institut fuer Elektroakustik, Experimentelle und Angewandte Musik, Vienna (Austria), Institut fur Elektronische Musik at Hochschule fur Musik und Darstellende Kunst, Graz (Austria), C3 Center for Culture and Communication, Budapest (Hungary), Media Laboratory at University of Art and Design, Helsinki, (Finland), Dom in Berg, Graz (Austria), Okno, Brussels (Belgium), A=V Workshops, Munich (Germany), Center for Contemporary Arts, Briansk (Russia), Ural State Conservatory, Ekaterinburg (Russia), Hangar (Barcelona), Institute of Media Archeology (Austria) etc.

He is keeping unique historical archive related to the history of Russian musical technology since 1910-s as well as a collection of original historical electronic musical instruments, including original Leon Theremin's Terpsitone, Theremin, Rhythmicon, Harmonium etc., combining deep research into the history of music technology with extensive experience of interactive composition and performance.

His is the author of interactive performances and installations. His compositions for computer-processed and computer-generated sound have been composed for a variety of media including theatre, radio-theatre and dance. Among his most recent works are the Sonograms for tape (1999), performances Sonochronotop (2000) and Brain Jazz for interactive brain-wave biofeedback system (2001), Laser Bugging for the laser monitoring system (2005), Vetro-Touchless (2005) and Windowpane Theremin Installation (2006), Correlations for two performers and t-sensor based interactive system (2006).

He has won grants and sponsorship from IREX, Rockefeller Foundation, DAAD, Soros Foundation and Open Society Institute and produced over 15 International Festivals of electroacoustic music and multimedia in Moscow, Ekaterinburg, St.Petersburg, Kazan as well as Actions/Interactions concert series, electroacoustic parts of Alternativa Festival and Moscow Autumn Festival.

He has won the 1-st Prize at the 3-rd International Forum of Radio Art Pro Arte Acustica "MACROPHONE 94", Poland, 1994 and the Prize for the best experimental mini-drama at 1-st international competition Ostankino Prize'95.

In 1987-1992 he was the head of the Sound Department at the Theatre Workshops Association, Moscow, experimenting with interactive and live electronic music systems for stage, collaborating with different experimental theatres, having particular interest in Russian Avant-Gard and Futurism from 1910-20-s., working as a sound director at the Chet-Nechet Theatre (Moscow) until 2000.

In 1982-1987 he worked at the Psychology Institute of the Russian Academy of Sciences. Collaborating with the group of psychologists and programmers, he was developing computer-controlled sound synthesizer for Emosaurus Project - brainwave biofeedback system, based on interactive audio-visual environment.

In 1980-1982 he worked in the audio-visual team of the Space Museum , Moscow (the remainder of the ruined by communist government Electronic Music Studio at Skriabin Museum), developing multichannel digital spatial sound system.

In 1980 he founded one of the first private companies in Russia , manufacturing electronic music equipment. His Studio-1 Synthesizer won the Silver Medal at the Exhibition of National Achievements, Moscow in 1981.

In 1978-1981 he worked in the Laboratory for Musical Acoustics at Moscow State Conservatory under the leadership of Professor Andrey Volodin, developing modules of experimental sound synthesizer.

In 1976-1982 he was playing oboe in the Symphony Orchestra of the Central House of Scientists, Moscow.

In 1979 he graduated from Moscow Institute for Physics and Technology and holds degree in Automatics and Electronics.

He was born in Moscow in 1956.