Lars Vaupel, born 1962 in Hamburg, artist, Soft- and Hardware developer.

Studies of electric engineering at the technical college Hamburg
1993 degree as electro engineer.

Work as hard- and software developer at several companies in Hamburg, in parallel
development of own artistic projects and artistic contract works.
Since 2003 self-employed.

1997
Co-founder of the artist group F18 in hamburg.
www.f18institut.org, www.frautaube.de
Event series „Testreihe Gegenwart T1" with F18 in Hamburg

1998
With F18: Installation „Drop Outs" in the context of the "Junge Hunde" theatre festival at
Kampnagel.
Event series „Testreihe Gegenwart T2"
Development and Construction of the six-legged walking robot "Exoskeleton" for Stelarc,
world premiere at Kampnagel/Hamburg.
www.stelarc.va.com.au/exoskeleton

Restoration and build-up of Angela Bulloch's painting machine „Blue Horizon" at Hamburger
Kunstverein

1999
Development, construction and build-up of a speaker system which rotates over the
audience for Jan-Peter E.R. Sonntag's play "N-Spiral", Kampnagel.
Machine performance Generalpark.de with F18, Kampnagel.
Exoskeleton-Tour with Stelarc: Theaterhaus Jena(D), Jahrhunderthalle Bochum(D),
Pamatnik Vitkov Prague(CZ), Messe Bozen(IT), Dampfzentrale Bern(CH)

2000
Control unit development for Stelarc's „Extended Arm", start-up and performance at „Grenier
a sel" in Avignon(F).
Development of Stelarc's motion prosthesis , *www.stelarc.va.com.au/movatar*
with F18: Robotic installation IKIT in the context of Playground03, Park im Gruene
Rüschlikon(CH).
www.playground03.ch

2001
Installation „motorvision", galerie88 Hamburg
Installation of the Exoskeleton at the 2001 Triennale in Yokohama(JP)
Machine performance „Kick-Robot" with BBM in Berlin(D), Hannover(D) and Kiev(UA),
www.bbm.de.
Development, construction and build-up of an autonomous or remote controlled typing
computer keyboard (so called „ghost keyboard") for "Poetry machine" by David Link,
www.alpha60.de/poetrymachine
Lecture tour with F18 in the context of the event series Digital Brainstorming in Zürich, Basel
und Bern (all CH), *www.digitalbrainstorming.ch*

2002
Lecture "Zwischen Skulptur und Robotik", Museum für Kunst und Gewerbe Hamburg
Robotic-Workshop for art students with BBM at the Kolding Designskolen (DK)
Artgenda TV with F18 in the context of the baltic biennale in hamburg
Robotic-Workshop für children and young persons at the „Playground Summerschool" in Rüschlikon(CH), *www.playground-summerschool.ch*
Development and construction of the turning speaker system „Rotobossophon" for Andres Bosshard, world premiere in Hellerau(D)
On-site-development and construction of stage hard-and software for two Fassbinder plays directed by Norton Commander Productions, Dresden(D), at Festspielhaus Hellerau.
Light installation for the „Maximumblack" event at Festspielhaus Hellerau
www.nc-productions.com
Exhibition ZeichenArbeit with Laila Unger, Galerie Hinterconti, Hamburg
ThinkQuest Zürich, with F18
Robotic workshop for children at elementary school Rautendorf near Worpswede(D)

2003
Further development of the ghost keyboard and installation at the DEAF/Rotterdam(NL)
Performance „Exoskeleton" with Stelarc in Ljubljana(SI)
autonoumos ground graffitti robot for event series „remote" in Hamburg-Wilhelmsburg
http://telenautik.hfbk-hamburg.de/remote/doc/doc_menu.html
Rotobossophon at Parochialkirche Berlin
Workshop with F18 in Romainmotier(CH).
Autonomous video robot and lightbulb display at the MediaSpace03 in the Filmhaus Stuttgart(D)
Development of an interactive video installation for Norton Commander Productions at the exhibition „Wings of Art – Motiv Flugzeug" in Aachen(D)

2004
MIDI-Workshop at Filmwinter Stuttgart
Development of a GPS/GSM-Logger for the project „Afrika-Kartierung" by Till Krause, Hamburg
Presentation of the ghost keyboard at the 10. Computer Arts Festival Maribor(SI).
Autonomous robot "Testplattform II" for the exhibition Unter Strom, Kunsthalle Darmstadt
Installation „nanobots" with BBM, Museum Trapholt, Kolding
Event series „Playground Robotics" with F18 in Bern, Solothurn and Basel
Development of lighting control equipment for the Forum neues Musiktheater Stuttgart
Exhibition Playground Robotics in Ljubljana with F18

2005
Start of the project TROIA/Demonen with BBM, shows in Stuttgart and Bremen, additionally one arm pod concert in Cologne at the KISD
www.demonen.org
Robotic-Workshop für children and young persons at the Museum für Telekommunikation Hamburg
Development and construction of a midge swarm observation camera for the project „Double Helix Swing" by Ursula Damm, *www.ursuladamm.de*
Robotics-workshop for art students at the Fachhochschule Nordwestschweiz in Aarau(CH)
Exoskeleton-performance at the Robodock-Festival in Amsterdam(NL).
Mechatronics for Baldur Burwitz' „Schröders Katze"

2006
Development, construction and build-up of a smaller, autonomously acting six-legged walking machine for Stelarc („Walking Head Robot"), with F18.
Another Robotics-workshop for art students at the Fachhochschule Nordwestschweiz in Aarau.
Robotics workshop for children at the „Freaks,Friends & Players" – Festival in Bremen.
Arm pod concerts in Vilnius(LT), Prague and Maribor with BBM.
Drawing robot installation in the Lucky-Loft-Gallerie in Hamburg in the context of the event „Pixel-Analogien"
Participation at the event „Invasionen" in Forum Altona with an audience counting machine.
F18-light bulb display in the context of „Wir sind woanders" in Altona.
„Arduino"- workshop for design students at Muthesius-Kunsthochschule Kiel(D).
Interactive video installation for Lutz Dammbeck's exhibition „Paranoia" in the AdK Berlin.

2007
„Zufalls Spuren" - exhibition in the Cabaret Voltaire/Zürich with two drawing robots. Arm pod concert at the Phaenomenale in Wolfsburg (with BBM).
Rebuild of the Installation „SEEK" (1969, exhibition „Software") for Lutz Dammbeck's „Re-reeducation" in the COMA-Galerie Berlin.
Participation at the Digital Arts Week / Zürich with drawing robots
Exoskeleton-performance with Stelarc at the „Souterrain Porte IV" – Festival in Maxeville(F)
Robotics - workshop for young people at the ZHDK/Zürich
with BBM: reactivation of two EXPO2000 swarm robots for the G5-Gallerie in Munich.
Participation at the Internationale Abriss Ausstellung (IAA) in Hamburg-Wilhelmsburg with „Gastank ?"
Mechatronics for Baldur Burwitz' „und was macht Godots Hund?"

2008

„Krokettenhuhn" (Autonomous driving platform with croquette frying unit) for Baldur Burwitz, shown in Nordhorn(D) in the exhibition „ad absurdum".
Participation (plus earning of the second prize) at the shop-window-gallery in the context of the KunstAltonale (Hamburg) with the interactive installation „Raum füllen".
Participation at the 24-Stunden-Ausstellung Leipzig(D) with the painting robot „Pole Painter".
with BBM: surveillance and discipline in public space – The Kosovo Art Gallery
Pristina/Kosovo: Border control robot KYNEX

2009

Installation of Lutz Dammbeck's SEEK II in the Galerie der Gegenwart, Hamburg in the context of the exhibition „MAN SON 1969 - vom Schrecken der Situation". Participation at „Embedded Art – Kunst im Namen der Sicherheit", *www.embeddedart.org*, in the Akademie der Künste Berlin with „Drohne – der fliegende Überwachungsroboter", the Visitor counting machine „PeopleCounter", with BBM: Border control robot KYNEX. With Stefan Doepner: „Robot Partner", Development and construction of an autonomous climbing robot based on drilling machines. Participation at the OpenArt09 in Roveredo GR (CH) with „Antipodenperiskop". Construction and build-up of two slide projectors for VeronesiHöpflinger Zürich. Elektronics for Baldur Burwitz' „Amour Fou".

2010
with BBM: Reactivation and further development of the EXPO2000 swarm robots for the BMW -Welt in Munich. Installation of Lutz Dammbeck's SEEK II in the Kunstraum des Bundestages in Berlin. Participation at the OpenArt10 in Roveredo GR (CH) with „Beweis der Unerreichbarkeit" plus technical development for Gwendolin Taube's sound installation „Nicht schlecht Herr Specht". With Stefan Doepner: Allgemein anerkannte Regeln der Technik,

Robot Partner und andere Anwandlungen, Gallerie OelFrüh. Robotic workshop for children at the Grundschule Bahrenfelder Strasse Hamburg. Retrospective 5 Years Galerie OelFrüh. Installation „MiniGolf" in the context of the LOG20.10 preview on board of the MS Stubnitz.

2011
Development and construction of a MIDI-fan-control-unit for „Virtual Hole - Wind" by Tao G. Vrhovec Sambolec. With Stefan Doepner et.al.: Svetlobna Gverila, Ljubljana(SI). OpenArt11 in Roveredo GR (CH) with „Stadt" plus technical development for Gwendolin Taube's installation „Herbst". With BBM: „Ausräumen", a Performance in the context of the MAK-Nite, MAK Vienna(AT). Participation at MFRU/Kiblix in Maribor with Cirkulacija 2. With Stefan Doepner: NoiseBot.

2012
with BBM, EPKOT (Experimental Prototype Killers of Tomorrow), in the context of JETLAG, Hanover Fair 2012.