

Rebecca Allen (USA)

is an internationally recognized media artist, inspired by the potential of advanced technology. Central to her work is the study of motion as a form of communication and creative expression.

Allen has produced a number of commissioned works in Europe and the U.S. including computer animated films, interactive installations and large-scale multimedia performances. Her most recent interactive artwork explores artificial life, 3D virtual environments and multi-modal interfaces. Awards include an Emmy award for "Outstanding Individual Achievement" and Japan's Nicograph award for "Artistic and Technical Excellence".

Anna Anders (D)

1980 — 86 studied at the Academy of Graphic Arts, Munich. 1989 — 92 editorial staff member at the Bavarian Broadcasting Co., TV Department. 1992 — 95 postgraduate studies at the Art Institute for Media, Cologne. Since 1997 member of the artistic-scholarly staff of the Art Institute for Media, Cologne.

Lori B. Andrews (USA)

is a professor of law, Chicago-Kent College of Law, and Director of the Institute for Science, Law, and Technology at Illinois Institute of Technology. She received her B.A. summa cum laude from Yale College and her J.D. from Yale Law School. Andrews served as chair of the U.S. Working Group on the Ethical, Legal, and Social Implications of the Human Genome Project. Andrews' advocacy and involvement in policy-making in health law led the National Law Journal to name her as one of The 100 Most Influential Lawyers in America. Her latest book, *The Clone Age: Adventures in the New Reproductive Technologies* was published by Henry Holt in May 1999.

Anuradha R.V. (India)

is a lawyer based in New Delhi, India. She is a member of the environmental action group, Kalpavriksh, Pune, India, and an associate with the Foundation for International Environmental Law and Development (FIELD), London. Her special area of interest is: law relating to biological diversity, with specific focus on issues of access to genetic resources and benefit-sharing arising from use of the same. She has conducted studies and written research papers on these and related issues for, inter alia, FIELD, the Secretariat of the Convention on Biological Diversity, the International Union for Conservation of Nature and the Indian Institute of Public Administration. She is also the co-editor of the book "Community-Based Conservation: Issues and Prospects", Sage Publications, 1998.

association.creation (A/H)

are: roland Graf, Szemerey samu, christian Smretschnig, Somlai-Fischer szabolcs, michael Bieglmayer, Török tamás, ingrid Hora, Nagy péter-sándor, klemens Fischer, joannis Männl, werner Schmid, christian Troger, elmar Trojer, Tóth bella, daniel Smid, ildikó Tresnic, christoph Gaber, stefan Schwager, leo fux, jean jaques Buntspecht, Eco, sus gattin texel Hochreiter Tiefengrün, aldi Anderen

Sam Auinger (A)

born 1956. Intensive involvement with question of composition, computer music, sound design and psychoacoustics since the early 80s. Work in film, theater, radio, video.

Rachel Baker (GB)

is a British artist whose network art projects include *Clubcard*, *Art Of Work*, *Personal data Fairy* and *The Cramley Election Campaign*. These projects invert marketing and management strategies such as competitions, loyalty card incentive schemes, surveys, relationship databases electioneering. She is a member of the Irrational.Org art-server widely known for its blend of net art, net engineering and activism. Currently Professor of Communication Studies at BACKSPACE Department of Communications.

Laura Beloff (SF)

has studied fine arts, photography, new medias, critical studies. She has a MFA in Critical Studies and Integrated Medias from the California Institute of the Arts and a MFA in Photography from the University of Art and Design of Helsinki. During the recent years she has worked mainly with interactive mediums building installations and screen-based pieces.

C5

Steve Durie is an artist and research-theorist at C5; his current interests are surveillance, telepresence and measurement theories. **Benjamin Eakins** is an artist and research-theorist at C5. He is currently a graduate student in the CADRE Institute at San Jose State University and co-editor of Switch, the online new media art journal of CADRE. **Jan Ekenberg**, a research-theorist at C5. He has been involved in numerous large-scale collaborative projects. **Lisa Jevbratt** is an artist and research-theorist at C5 and lecturer of digital media art at San Jose State University. In her artistic work Jevbratt creates systems that explore organizational structures, data mining and collaborative information filtering. **Veronica Ramirez**, BS in Graphic Design. Presently she is a freelance web designer in Silicon Valley and is actively working in the capacity of graphic designer in the C5 company. **Anne-Marie Schleiner** BA in Fine Art with an emphasis on Video Art, MFA in Computers in Fine Art. Currently co-

editor of Switch, an on-line new media art and art theory journal, and regular contributor of reviews, articles and issue content direction. **Joel Slayton** is founder and president of C5, a research corporation specializing in theoretical models, analysis and tactical implementations of information technology. Slayton is a Professor of Digital Media Art at San Jose State University where he serves as Director of the CADRE Institute, an interdisciplinary academic research center. **Brett Stalbaum** is a research-theorist at C5, specializing in network aesthetics, algorithm development, and critical theory. **Jack Toolin** is an interdisciplinary artist working in performance art, photography, drawing/painting, and video. He has been producer, curator, and emcee of the Performance Night series at Works/San Jose, a non-profit alternative gallery and performance space. **Geri Wittig** is a research-theorist at C5; her current investigation is in the area of potentiality of autopoietic data systems organization.

Gina Carnezcki (GB)

studied at Wimbledon School of Art and rapidly moved towards the moving image experimental film-making and animation which have all formed her current still, single screen and installation works. Gina is currently living in Scotland and runs the Msc Electronic Imaging course at the University of Dundee.

Ursula Damm (D)

born 1960; studied sculpture at the Düsseldorf Art Academy (Günther Uecker); travels abroad including stays in France (studying with Louis Béc and Vilém Flusser), the US, the Netherlands, Italy and Norway; thereafter, teaching positions at various art schools. 1995 — 1998 postgraduate study at the Art Institute for Media, Cologne (Valie Export).
<http://www.khm.de/~ursula>

Markus Decker (A)

is working with digital machines since 1991. Before that he has worked mostly for the commercial industry building networks and database interfaces. In the same time he also worked on various video and VR-projects creating sound environments and musical ambiance for them.

Derrick deKerckhove (CDN)

Director of the McLuhan Institute of Culture and Technology at the University of Toronto. His works on the effects of communication-media on the human nervous system include *Brainframes* and *The Alphabet and the Brain*.

Manuel DeLanda (USA)

is the author of two philosophy books, *War in the Age of Intelligent Machines* (1991) and *A Thousand Years of Nonlinear History* (1997), and of many philosophical essays published in various journals. He teaches a seminar at Columbia University on "Theories of Self-Organization and Urban History", and lectures around the world on the philosophy of science and technology.

Wolfgang Dorninger (A)

born 1960, attended the Institute for Applied Arts in Vienna where he completed the Master Program for Visual Media Design. He is also a musician, playing in the groups Monochrome Bleu, Josef K. Noyce and Wipe Out. Dorninger has composed numerous musical works for film, theater and dance. He operates the Sonic Sound Studio in Linz.

Dreamtech (J)

are Hiromi Amano and Usman Haque. Hiromi Amano is an advanced mail-response construct running on a Fujitsu VPP700 vector-parallel supercomputer maintained by the National Electronics Research Laboratory in Setagaya, Tokyo. He has sent replies to 78,586 messages since first being hooked to the Internet on June 12, 1996. Usman Haque is an architect living in New York City. He pursues projects for investigating how technology may be applied in a playful and novel manner to building construction.

Christoph Ebener (D)

studied at the College of Fine Arts in Hamburg and has worked since then on numerous art projects throughout Europe.

Fakeshop

is dedicated to experimental computer activities, to the use and misuse of the tools of electronic work and production. http://fakeshop.com/multiple_dwelling

Frank Fietzek (D)

studied philosophy, art and computer science, has taught at specialized colleges and academies and is currently project director at the Laboratory for Electronic Media in Hamburg.

Franz Fischnaller (I)

is art director and project coordinator of Fabricators, and director of "Virtuality and Interactivity," the international exhibit of multimedia art and applied research of Mediartech; professor at the Università degli Studi di Firenze; designer and product coordinator of the new interactive art center in Cordoba, Spain.

Vilém Flusser

was one of Europe's leading media theorists. His work ranged from studies in the theory of the image to cultural histories of memory and media culture. His numerous books include *Toward a Philosophy of Photography*, *Kommunikologie*, and *Der Flusser Reader zu Kommunikation, Medien und Design*.

Masaki Fujihata (J)

born 1956; BA in 1979 and MA in 1981 at Tokyo University of Arts/design course; 1982 — 1990 business career (SEDIC Inc., FROGS Inc.), board member of Japan Animation Film Association, since 1987 Member of ASIFA, since 1990 Associate Professor, Faculty of Environmental Information at Keio University. Since 1998 Professor at Keio University, Faculty of Environmental Information; since 1999 Professor at National University of Fine Art and Music, Inter Media Art course. Masaki Fujihata was awarded among others a Golden Nica by the Prix Ars Electronica jury for his entry Global Interior Project in the category Interactive Art (1996).

Klaus Gasteier (D)

born 1965. 1987 — 93 studied printing press technology at the BUGH Wuppertal. 1993 — 96 postgraduate studies at the Art Institute for Media, Cologne. 1996 cofounder of the firm cutup codes GmbH, Cologne. Since 1999 guest professor for media design at the Art Institute of Aachen, Department of Design.

George Gessert (USA)

was raised on a farm in Wisconsin. He was educated at the University of California at Berkeley, and the University of Wisconsin at Madison. He has been breeding plants since the late 1970s. Beginning in the 1980s, he has exhibited installations of hybrids, and documentation of breeding projects. His exhibits have appeared in many galleries and museums, including the Smithsonian Institution and the Exploratorium in San Francisco. His

essays on the overlap between art and genetics have appeared in *Leonardo*, *Art Papers*, *Hortus*, *Northwest Review*, *Design Issues*, and elsewhere.

Herbert Gottweis (A)

born 1958; doctorate in political science from the University of Vienna; visiting graduate student, Department of Political Science, University of Rochester (New York); 1997 visiting professor, Division of Social Science, Hong Kong University of Science and Technology; since 1998, university professor, Department of Political Science, University of Vienna. Numerous publications on the subject of politics and biotechnology, including *Governing Molecules. The Discursive Politics of Genetic Engineering in Europe and in the United States*, Cambridge, Mass.: MIT Press, 1998.

Anita Gratzer (A)

graduated from the Institute for Artistic Design in Linz. Following her studies, she received, among other honors, a grant-in-aid from the City of Linz and the Republic of Austria's state grant for photography. She has spent time abroad doing atelier work in Paris, Krakow and Berlin, and currently lives and works in New York and Linz. The works presented at Ars Electronica are excerpts from the cycle *Human Time Anatomy* which she produced from 1992 to 1997.

Michael Hoch (D)

born 1963. 1984 — 92 he studied computer science in Erlangen. 1992 — 98: member of the staff of the Art Institute for Media, Cologne. 1999, awarded Ph.D. by the University of Dortmund. Since 1998, member of the staff of the ZKM Institute for Visual Media and of the Institute for Design, Karlsruhe.

Rupert Huber (A)

born 1967, composer, musician, studied music and electronic music, and has been active in the area of (electronic) music since 1982. 1992 Patronage Prize "die ganze Woche", Culture Prize of the City of Baden. Guest of DAAD/Berlin 1997 (together with Sam Auinger).

Naut Humon (USA)

conducts, curates and performs his and outside works for Sound Traffic Control, an omniphonic orchestral "dub dashboard" network which remorphs sonic spatial objects from live instrumentalists, audio sculptures, and multiple DJ/VJ configurations for the

Recombinant diffusion jockey summits. He also operates as creative director of the Asphodel/Sombient labels.

Hiroo Iwata (J)

born 1957, is an associate professor at the Institute of Mechanical Engineering at the University of Tsukuba, where he teaches human interface and conducts research projects on virtual reality. Iwata is active in research on haptic interface in virtual environment. He developed various force displays and applied them to 3D shape manipulation and scientific visualization. He also developed locomotion interfaces for walking about virtual space.

Margarete Jahrmann (A)

Working@Net_Art, Web3D, Internet +Server projects, 97 Konsum Djing lectures, 98 Superperformances and collaborative Konsum—SERVER performances. Art cd-roms, art.server, mailinglists, DJ lectures and internet-performances and web3D applications, Virtual gallery and Virtual museum Realisations in VRML. 1996 — 98 Lecturer for Multimedia at the Universität für Gestaltung Linz, 1999 lecturer for programming-languages at the Hochschule für Angewandte Kunst Wien. 1999 Guest Professor for hybrid media at Universität für Gestaltung Linz.

jomasounds (A)

formed in 1997 out of a variety of different network and music activities, initially conceived as an audio network base; in 1998, expansion into an Internet radio station cooperating with counterparts in Canada and Great Britain; radio programming on an irregular basis featuring local DJs; in 1999, based on the audio base idea in the Internet, development proceeded further to include a DJ sound system as well as work on signal processing architecture.

Werner Jauk (A)

born 1958, assistant professor for systematic musicology and lecturer for experimental aesthetics at the University of Graz. Founder and director of the "Grelle Musik" Studio for experimental acoustic and visual art forms. Research emphasis on "Science, Music and New Technologies/Media."

Eduardo Kac

is an artist who investigates the philosophical and political dimensions of communications processes. Equally concerned with the aesthetic and the social aspects of verbal and non-

verbal interaction, in his work Kac examines linguistic systems, dialogic exchanges, and interspecies communication. Kac is a member of the editorial board of the journal *Leonardo*. Eduardo Kac is a Ph.D. research fellow at the Centre for Advanced Inquiry in Interactive Arts (CAiiA) at the University of Wales, Newport. He is an Assistant Professor of Art and Technology at the School of the Art Institute of Chicago.

Daniel J. Kevles (USA)

is the Koepfli Professor of the Humanities at the California Institute of Technology, where he heads the Program on Science, Ethics, and Public Policy. His articles, essays, and reviews on issues in science and society past and present have appeared in both scholarly and popular journals, including *The New York Times*, *The New Yorker*, and *The New York Review of Books*. He is the author most recently of *The Baltimore Case: A Trial of Politics, Science, and Character* (W.W. Norton, 1998) and of *In the Name of Eugenics: Genetics and the Uses of Human Heredity* (Harvard University Press, 1995). He is also the coeditor, with Leroy Hood, of *The Code of Codes: Scientific and Social Issues in the Human Genome Project* (Harvard University Press, 1992).

Peter Kogler (A)

born 1959, graduated from the High School for Visual Arts in Innsbruck; commercial artist (1974 — 1978); spent a semester studying at the Academy of Visual Arts, Vienna (1979). Teaching position at the Städelschule in Frankfurt, Germany (1986/87). Since 1993, guest professor for new media at the Academy of Visual Arts, Vienna.

Myron Krueger (USA)

was the first artist to focus on interactive computer art as a composable medium. In the process, he invented many of the basic concepts of virtual reality. He pioneered the development of unencumbered, full-body participation in computer-created telecommunication experiences and coined the term "Artificial Reality" in 1973 to describe the ultimate expression of this concept. Krueger earned a BA in liberal arts from Dartmouth College and MS and PhD degrees from the University of Wisconsin. His 1974 doctoral dissertation defined human-machine interaction as an art form. It was later published as *Artificial Reality* (Addison-Wesley, 1983), and significantly updated as *Artificial Reality II* (Addison-Wesley, 1991).

Robert P. Lanza (USA)

M.D., is Senior Director of Tissue Engineering and Transplant Medicine at Advanced Cell Technology, Inc.

Bruno Latour (F)

is one of the most influential contemporary sociologists of science. A principal architect of science studies, his work attracts critical attention from scholars throughout the sciences, humanities and social sciences. His books include *The Pasteurization of France*, *The Love of Technology*, and *We Have Never Been Modern*.

In this last work, he launches an attack on both modernity and postmodernity. A key figure in interdisciplinary scholarship, he claims that science and society are inextricably bound together. His ideas are applauded or disputed around the world. He's been called one of the most brilliant and original writers about science for the past decade.

Olia Lialina (RU)

born 1971 in Moscow. Net artist, critic and curator. Professor of Networks and Online Environments (Merz Academie, Stuttgart). Founder of Art.Teleportacia Gallery. 1996 — 1998 director of Cine Fantom film club, co-organizer of Cine Fantom festival, author of lectures History of parallel Film, and contributing editor of 4 russian video art and alternative Video compilations.

Hiroshi Matoba (J)

born 1960. He studied mathematical engineering and graduated from Tokyo University in 1985. He is an artist and also researcher at C&C Media Research Laboratories in NEC Corporation (Japan). He has developed artworks and systems based on his human-machine interaction technique.

Yasushi Matoba (J)

born 1963. He studied biology and graduated from Shinsyu University in 1987. He researched materials for car interiors at HONDA Technical Laboratories. He creates artistic works as an independent artist.

Karl Mihail (Gene Genies Worldwide)

is a Los Angeles-based sculptor. His sculptural work, since the mid-1980's, has addressed a number of socially relevant issues such as the cycle of victims and perpetrators, history and heritage from the former Yugoslavia, and the consumption of culture. Mihail's current work, the *Anti-war Memorial Project*, questions the role of sanctioned memorials and the culture of war.

Mongrel (GB)

is a mixed bunch of people working to celebrate the methods of London street culture. Mongrel is centred around Matsuko Yokokoji, Richard Pierre Davis and Harwood. We are dedicated to defeating the self-image of societies in which it is usual to presume those involved in "intellectual pursuits", and those attending "culturally prestigious events" are far above the mundanity of political conflict.

Marco Monzani (I)

is an electronics engineer with a masters degree in biomedical appliances. In 1992, he founded Elekton, a company involved in medical devices and software. Since 1993, various publications about human movement analysis and ergonomics. In 1994 he started Orbita with the aim of designing and implementing robotic devices for film and television shoots.

Max Moswitzer (A)

born 1968, multimedia artist specializing in 3-D simulations and artistic server design; in 1996, founded Konsum Art_Server, interactive applications, videos, interface design, Internet projects and websites, as well as, since 1997, set-up for telematic performances. Interactive live ASCII installations—for instance, *Toys 'n' Noise* at the O.K Center for Contemporary Art in Linz.

Charles Tonderai Mudede

born 1969 in Zimbabwe (Rhodesia at the time) in a segregated township near Kwe Kwe, which is a small mining city in the heart of the country. He presently lives in Seattle, where along with teaching literature and creative writing for Seattle Arts and Lecture and Pacific Lutheran University, he contributes a column, film and book criticism, and essays on contemporary culture to the alternative weekly *The Stranger*. He is also resident writer at the Richard Hugo House, which is a literary community center, and his work has appeared in *The Village Voice*, *Nest Magazine*, and *CTHEORY*.

Dorothy Nelkin (USA)

holds a University Professorship at New York University, affiliated with the Department of Sociology and the School of Law. She is a member of the national Academy of Sciences Institute of Medicine and a fellow and former Director of the American Association for the Advancement of Science. She has been a Guggenheim Fellow and President of the Society for the Social Studies of Science. Her books include *Selling Science: How the Press Covers*

Science and Technology and (with Susan Lindee) *The DNA Mystique: The Gene as a Cultural Icon*.

Michael Nyman (GB)

composer, musicologist, music critic, in which capacity he was the first to apply the word "minimalism" to music. The Michael Nyman Band has been the laboratory in which Nyman has formulated his aesthetic, its soundworld shaping a compositional style built around strong melodies and flexible, assertive rhythms. Nyman has written dozens of film scores for directors as diverse as Peter Greenaway, Jane Campion and Volker Schlöndorff. Michael Nyman's recent commissions have included the soundtrack for *Gattaca*, directed by Andrew Nicol.

Gordan Paunovic (YU)

born 1964, currently head of music and music production at radio b92. One of the leading yugoslav club and radio djs in field of electronic music and techno. Clubbing editor at yugoslav music/film magazine *xz*. Founder and editor of influential yugoslav alternative pop magazine *ritam*.

Franz Pomassl (A)

1989 studied at the Academy of Visual Arts, Vienna, majoring in painting (Arnulf Rainer). 1995 graduated from Vienna's University for Music and Performing Arts, Institute for Electroacoustics and Experimental Music (Dieter Kaufmann and Tamas Ungvary). 1995 studied at the Academy of Visual Arts, Vienna. 1996 studied at the Zokey Daigaku University, Tokyo. Co-founder and CEO of Laton (Interface Operations Label). DJ sets and live acts in Europe, the US and Japan.

Heimo Ranzenbacher (A)

born 1958, is a journalist, art critic, theorist and artist. Various publications in catalogues and specialized journals; diverse addresses at symposia. In 1993 he founded TXTD.sign, a studio for aesthetic services. Diverse art projects (*Klang Figur*, 1991; *Lichtzeichen*, *Utopie-Kunststraße*, 1994; *Sonderartikel Esc*, 1995; *Ipzentrum*, 1997).

Birgit Richard (D)

studied art, history and philosophy at the Universities of Essen and Fernuni Hagen; member of the scholarly staff in the Department of Art and Design of the University of Essen. Since

1988 University Professor for New Media at the Johann Wolfgang von Goethe University in Frankfurt am Main, Institute for Art Pedagogy, Department of Art and Classical Philology. Fields of specialization: new media, aesthetics of everyday life (in particular contemporary youth culture), life and death of artificially-generated forms of life.

Jeremy Rifkin (USA)

is the author of fourteen books on the impact of scientific and technological changes on the economy, the workforce, society, and the environment. His newest bestseller *The Biotech Century: Harnessing the Gene and Remaking the World* addresses the many critical issues accompanying the new era of genetic commerce. Jeremy Rifkin holds a degree in economics from the Wharton School of Finance and Commerce of the University of Pennsylvania, and a degree in international affairs from the Fletcher School of Law and Diplomacy at Tufts University. Rifkin is the founder and president of the Foundation on Economic Trends in Washington, DC.

Robin Rimbaud aka Scanner (GB)

implicates himself in processes of surveillance, engendering access to both technology and language and the power games of voyeurism. Dubbed a ‘telephone terrorist’, Rimbaud is a techno-data pirate whose scavenging of the electronic communications highways provides the raw materials for his aural collages of electronic music and ‘found’ conversations. Musician, writer, media critic, cultural engineer, and host of the monthly digital club the Electronic Lounge at the ICA since 1994, he is currently at work on a variety of projects.

Georg Schöfbänker (A)

Ph.D. in psychology from the University of Salzburg. 1987 — 93, research projects at the University of Salzburg’s Senate Institute for Political Science, focusing mainly on public policy issues including nuclear policy and the history of nuclear weapons, risk analysis, arms control, and nuclear proliferation. Active as political advisor and consultant in questions of nuclear weapons and proliferation. 1996 — 98, scholar on the staff of the Austrian Center for the Study of Peace and Conflict Solution in Schläining. Consultant and political advisor on scientific issues.

Christine Schöpf (A)

Since 1989 head of the art and science department at the ORF Upper Austrian Regional Studio, focusing on Ars Electronica and Prix Ars Electronica. Since 1979 in a number of different capacities, she has made key contributions to the development of Ars Electronica. Together with Gerfried Stocker artistic co-director of Ars Electronica since 1996.

The Science Education Team (A)

founded in August 1998, is a group of young scientists at the University of Salzburg who have taken up the task of presenting new sciences in a generally understandable way, or of making them comprehensible in workshops which they conduct. The work for Ars Electronica 1999 is being led by Reinhard Nestelbacher, Barbara Loidl, Peter Laun and Konrad Steiner.

Rasa Smite & Raitis Smits /E-LAB/OZONE/XCHANGE (LV)

–internet radio artists and net activists, founders and co-ordinators of E-LAB, a new media center in Riga. Since 1997–starting the project riga net.radio OZONE - working on research and development in streaming audio and net.radio networking fields. Initiators of the project Xchange–Net Audio & Radio Network and Mailinglist. In 1998 the Xchange project won an Award of Distinction in Prix Ars Electronica 98. Presently working on publishing the 2nd "Acoustic.Space"—a printed issue on net radio and new media culture.

Sound Drifting

ROBERT ADRIAN (CDN/A) works with painting, sculpture, installation and, since 1979, with telecommunication media in theory and practice. In 1995 he initiated the Kunstradio Web Site (Kunstradio On Line). **ROLAND BASTIEN** is a visual/media artist and musician. His work has been shown in Canada, New York, Italy and France. As a sound artist he works with piano, clarinet and musique-concrete. **DUZAN BAUK** Belgrade, soundengineer at the former Radio B92. Co-author of sound- and radio-art. **MARTIN BREINDL** Works in the fields of intermedia, sound art, net.art, radio art, video and visual arts. Member of **ALIEN PRODUCTIONS**. <http://alien-productions.mur.at> **SHAWN CHAPPELLE** is a video and film artist working primarily in the digital realm. He has been exploring techno-collage montage aesthetics for the past five years, culminating in his recent piece "Far Reaches" (1998). **JOELLE CIONA** is an interdisciplinary artist working primarily in performance. Her work includes sound, video, physical action and text. **TIM COLE** is a composer, artist and entrepreneur. He co-founded SSEYO Ltd in 1990 and together with other SSEYO members, he continues to develop SSEYO's vision of Koan creativity tools and interactive Koan sound environments. **PETER COURTEMANCHE** is the director of the media residency program at the Western Front. He is a contemporary sound and installation artist who has worked extensively in radio-art and electronic/interactive interventions. **TIM MARK DIDYMUS (UK)**, **KOAN** generative strategist, sortilege theorist, supertextualist. **COLIN FALLOWS** is Reader in Audio and Visual Arts at Liverpool John Moores University where his research has explored crossovers between sound and the visual arts as an artist, lecturer, curator and archivist. **FON** = generate soundsurfaces hacked with architectural rhythm packages: cutup/manipulated systems build cryptical universal languages/ last seen: phonotaktik, Kunstradio; Display Programming for dynamo: Gogo; Sound & Programming: fon **ANNA FRIZ** is an interdisciplinary artist who has experimented with audio, video, improvisational theatre, music, text and collage. **ANDREW GARTON** is a sound and media artist who also works on community networking and online publishing initiatives. Garton performs solo and collaborative works under the names, *lost_time_accident*, *Fierce Throat* and the *Electro Pathological Consort*. **GRANT GREGSON (CDN)** explores sound and other media in kinetic sculptures using electronic circuitry, software and hardware systems. Currently he is

developing telerobotics systems for use in his sculptures as an MFA candidate at Simon Fraser University in Vancouver. **SEPPO GRÜNDLER (A)** works at the Institute of Electronic Music, Graz; sonic improviser, main instruments: guitars and computer; concerts and installations. **HONOR HARGER** is a writer, designer and format artist, interested in the integration of different types of media within creative, communication, technological and art contexts. **ADAM HYDE (NZ)** is a new media artist, with a special interest in streaming media, in both visual and audio contexts. He is also a musician and format artist. **EILEEN KAGE** is primarily a performer and composer of Taiko. She has been active in Vancouver's Taiko community for 17 years, initiating several groups including Uzume Taiko, Sawagi Taiko and Reijingu Horumonzu. **ROBERT KLAJN** is a chief recording engineer of Radio B92. He run several pirate radio projects in the 80s. Klajn collaborated with numerous Yugoslav TV and radio stations such as Studio B, Radio Pinguin, City Radio, BK Telecom etc. **ANDREAS KRACH** and **JOHANNES SIENKNECHT** (Gruppe Netzklang) work on projects dealing with the interfaces between installation and communication, sound and movement since 1997 at the Bauhaus - University, Weimar. **NORBERT MATH (A)** works in the fields of electronic music, net.art, sound art, radio art. Member of ALIEN PRODUCTIONS. <http://alien productions.mur.at> **BILL MULLAN** is a writer, radio host, radio artist, film and video producer. He is known for his work with *LSD 49*, *Truth Channel*, and *Organization Machine* as a live/performative video projectionist. **GORDAN PAUNOVIC** is soundartist, DJ and journalist. He was a founding member of Radio B92 in 1989 and its music editor (1993 — 1999). Currently he is FreeB92 head of internet events. **WINFRIED RITSCH (A)** teaches in Graz at the Academy of Music and Performing Arts; Institute for Electronic Music. Since 1984 involved in computer-generated music and computer-controlled sound installations. **MARKUS SEIDL (A)**, sound & music since 1993 / computer.arts since 1995 / some projects in digital & real public spaces. **WILL SERGEANT** is best known for his work with the pop combo Echo and the Bunnymen, but he also has strong ties with the experimental side of life, in the form of performances and records as "Glide". **JOHANNES SIENKNECHT (D)** took part in a wide number of concerts as an improviser on the e-guitar since 1985. Since 1997 development of audioinstallations and radio-performances at the "SeaM" in Weimar. **MATT SMITH (CDN)** Designer & technician. Currently living in Vancouver BC. **ANDREA SODOMKA (A)** works in the realms of intermedia, electronic music, net.art, radio art, video and artistic photography. Member of ALIEN PRODUCTIONS. <http://alien-productions.mur.at> **EMILIA TELESE (I)**, multimedia communicator, ospite paroliera, referentialist of aesthetic behaviour. **ALEKSANDAR VASILJEVIC** He has collaborated with some of the most prominent alternative audio artists from Belgrade (Miroslav Savic, Milimir Draskovic, etc.). **SANDRA WINTNER** has taken part in several ORF Kunstradio projects. She currently acts as the Vancouver project coordinator of the **WIENCOUVER 2000**, a collaboration between Kunstradio and Western Front. **EVA WOHLGEMUTH (A)**, visual artist (conceptual, media and webwork); webwork for Kunstradio; teacher at Akademie of Fine Arts, Vienna.

Michael Specter (USA)

is a journalist based in New York.

Robert Spour (A)

Composition, visualization and direction of the Linzer Klangwolke 1998 *jobOpera*; opening of the Ars Electronica 93 *the cloned sound*; multimedia performance and interactive installation *Immateriaux* exhibited in New York, Vienna Konzerthaus, Festspielhaus Salzburg, Tübingen Media Art Festival, Ars Electronica 92 and other venues; compositions for international ensembles and orchestras such as Kronos Quartet, Deutsche Kammerphilharmonie, Art Ensemble of Chicago; multimedia projects in Europe, the US and South America.

Stadtwerkstatt (A)

independent cultural association since 1979. Stadtwerkstatt is an initiative for the incitement of critical confrontation with the conditions of life, for the encouragement of initiatives aimed at the "opening of free spaces" and for artistic and cultural development. A building complex housing cultural venues and workshops at Kirchengasse 4. Stadtwerkstatt as communications platform for the regional and local cultural scene – on one hand, a stage for events: *Do It Yourself* and *Cafe Strom*; on the other hand, headquarters of initiatives working on behalf of the democratization of new media—servus.at, the stage in cyberspace, and FRO, free radio in the cable network.

Gerfried Stocker (A)

is a media artist and graduate of the Institute for Telecommunication Engineering and Electronics in Graz. Since 1990, he has been working as an independent artist. In 1991, he founded x-space, a team for the realization of interdisciplinary projects. In this framework numerous installations and performance projects have been carried out in the field of interaction, robotics and telecommunications. He was also responsible for the concept of various radio network projects and the organization of the worldwide radio and network project Horizontal Radio. Since 1995 he is one of the managing directors of the Ars Electronica Center. Together with Christine Schöpf artistic co-director of Ars Electronica since 1996.

Telezone Team

Wolfgang Beer (A), programmer; 1995 to present: study of computer science and data processing technology at the Johannes Kepler University in Linz. **Erich Berger (A)**, study of philosophy and mechatronics in Vienna and Linz; since February 1996, member of the Ars Electronica Center staff; projects include Forget the Image (sound installation gallery at the University of Linz), *Cyborg Detector* (with Sandy Stone and Patricia Futterer); since 1996, member of <http://www.firstfloor.org>. **Volker Christian (A)**, study of theoretical physics at Karl Franzens University in Graz; after graduation, completed a number of projects including *Resonator* (ORF Park in Graz, Dokumenta X, ORF Kunstradio), *Virtual Feedback* (Dokumenta X), *Technoscop/Endoscape* (Steirischer Herbst 1997), *A mazing maze* (ORF Kunstradio); since May 1, 1999, assistant director of the Ars Electronica Futurelab. **Oliver Frommel (G)**, 1992 — 95: study of mechanical engineering; since 1995: study of philosophy, linguistics and computer science; 1994 — 95: Medienlabor München, system and network

administration, conception and design of Internet web sites, planning and conducting information technology seminars; since 1995: Ars Electronica Center, system and network administration; founder of Firstfloor Electronix with Matt Smith and Chris Mutter. **Ken Goldberg (US)**, artist and assistant professor of industrial engineering and operations research at the University of California at Berkeley. He is head of the Alpha Research Lab, and is also associated with the Engineering Systems Research Center, the EECS Robotics and Intelligent Machines Laboratory and the Modular Robotics Lab at USC. He works primarily with robotics in multimedia applications and with the design of automation devices. **Rene Pachernegg (A)**, Coder. **Jörg Piringer (A)**, currently studying computer science; school for poetry in Vienna (with Curd Duca, Sainkho Namtchylak); 1996 — 97: Oudeis—a world-wide odyssey, conception of an Internet theater; since 1997, participation in numerous projects having to do with network literature in German; since 1998, Institute for Transacoustic Research (founding member); since 1999, monthly hearings at the Institute for Transacoustic Research. **Nestor Pridun** is currently studying computer science at the Department of Design and Efficiency Research at the Technical University of Vienna. **Christian Retscher (A)**, since 1993, study of theoretical physics at the University of Graz; since 1995, study of geophysics at the University of Graz. **Markus Seidl (A)**, sound design; since 1993, DJ (hiphop/drum&bass); since 1997, member of the staff of ff radioshow nr 1, www.firstfloor.org/radiostart.html; ahora: ff/fro radioshow; DX / java applets for berliner_theorie page. **Martin Wiesmair (A)**, coder. **Peter Purgathofer (A)**, assistant professor at the Department of Design and Efficiency Research at the Technical University of Vienna; projects in the field of multimedia and hypertext; collaborated on the first Austrian study of virtual communities in Austria; initiator and co-author of the only two Austrian books on the Y2K problem.

Eugene Thacker (USA)

teaches at Rutgers University, where he also direct [techne] New Media + Digital Arts. His essays and net.art projects have been presented at Alt-X, Body & Society, *CTHEORY*, *frAme*, *Leonardo Electronic Almanac*, *Mute*, and *slant.org*. He is a contributing editor at *The Thing* and a collaborator with *Fakeshop*.

TNC Network

Established in 1995 by the two Paris-based Data-Jockeys Beusch/Cassani, the international production and communication network TNC Network (www.tnc.net) operates at the vortex of cyber-culture, electronic art, and digital entertainment. TNC is composed of an interdisciplinary crew of Data-Jockeys, each of them specializing in a specific type of media, but all of them doing essentially the same thing: manipulating information. TNC's productions evolve in the dynamic system of today's mediasphere. TNC has received international acclaim for the design and the production of ground-breaking distributed networked events such as *Clone Party*, commissioned by Ars Electronica in 97, as well as for the production of network-based media fictions (*Great Web Crash* 96 — 98). Recent productions and events for Ars Electronica Festival (96 — 99), ISEA Chicago (97), Documenta X Hybrid Workspace (97), HotWired San Francisco (96), Medienkunst BR (97 — 99), Radio Couleur 3/Paris DJ Radio FG (96 — 99) etc.

Tran, T. Kim-Trang (Gene Genies Worldwide, USA)

is an award-winning video artist whose work is exhibited internationally. She was born in Viet Nam and immigrated to the U.S. in 1975. Tran received her Master of Fine Arts from the California Institute of the Arts in 1993. Tran is an Assistant Professor in Media Studies at Scripps College. Her continuing video project, an eight-tape series investigating blindness and its metaphors, will be completed in the year 2000.

Mario Veitl (A)

born 1962, Doctor of Medicine. Molecular biological work at the Max Planck Institute in Munich. Since 1980, a wide variety of multimedia/graphic works using the computer, whereby a special interest in the interaction of formal computers with an informal environment constitutes a basis for his work.

Paul Virilio (F)

born in 1932. Founding President of the "Architecture Principe" group and editor of the group's review. He has been Professor of architecture at the Ecole Spéciale d'Architecture in Paris since 1968, and became its Director of Studies in 1973. The same year he was nominated director of the "L'Espace Critique" series by the publishers Galilée of Paris. In 1975 he became Director General of the Ecole Spéciale d'Architecture and in 1989 Chairman of the Board. In 1975 he co-ordinated the "Bunker Archeologie" exhibition at the Musée des Arts Décoratifs in Paris. In 1989 he was nominated director of a teaching programme at the Collège International de Philosophie in Paris, under the presidency of Jacques Derrida. He became a member of the High Committee for the Housing of the Disadvantaged in 1992.

Gunther von Hagens (D)

has developed a unique technique of tissue preservation called plastination in the early 70s at the University of Heidelberg. The exhibition "Body Worlds" ("Körperwelten") has been shown in Germany and Austria.

Emily Weil (USA)

is currently completing a two year Interval Research Fellowship at the Interactive Telecommunications Program at New York University. She has also worked for the Interval Research Company in Palo Alto, California, where she was involved in conceiving, designing and programming new products in digital media. Emily received a B.A. in Philosophy at Brown University, and a Master's degree from the Interactive Telecommunications Program. Emily has taught computer skills to teenagers, web design to adults at the New School for Social Research in New York City, and skiing to three year olds.

Gail Wight (USA)

conceptual artist working primarily with installation, computer, text, and performance work. She investigates issues of cognitive science and the history of scientific theory and technology. She holds an MFA from the San Francisco Art Institute where she was a Javits Fellow, and a BFA from the Studio for Interrelated Media at Massachusetts College of Art. Currently, Wight is a visiting Assistant Professor at Mills College.

Robert Worby (GB)

works on film scores with Michael Nyman, sometimes composes electroacoustic music and has an interest in that tradition as well as audio and radio art. In the last few years he has regularly collaborated with artists from other disciplines, especially dance, sculpture, video and digital media to produce performance and installation work.

Uli Winters (D)

studied in Hamburg and has worked together with Christoph Ebener since 1997 on international art projects.