

Press Release

WORLD ECONOMIC FORUM ANNOUNCES 2005's "TECHNOLOGY PIONEERS"

World's leading innovators cluster around electronic security, alternative energies, mobility technologies, biotechnology and enabling technologies.

Geneva, Switzerland/London, UK, 6 December 2004 – The World Economic Forum today announced 29 companies selected as 2005's "Technology Pioneers". The companies, whose products range from anti-terrorism software to possible treatments for cancer and Alzheimer's, were nominated by the world's leading venture capital and technology companies. The final selection from 114 nominees was made by a panel of leading technology experts appointed by the Forum.

To be selected as a Technology Pioneer, a company must be truly innovative; it must have a potential long-term impact on business and society; it is expected to show the signs of a long-term market leader; its technology must be proven; and it must have visionary leadership. Previous Technology Pioneers have included: Autonomy, Cambridge Silicon Radio, Encore Software, Google, Millennium Pharmaceuticals and Napster.

"It is not enough for companies to have developed a great technology these days," said Professor Klaus Schwab, Founder and Executive Chairman of the World Economic Forum. "Timing is intrinsically important in deciding which technologies are successfully integrated into society. History shows us that successful technologies fulfilled an empty but important niche. These 29 companies are clearly addressing societal needs."

This year's winners reflect a population that is ageing, is weaning itself off a finite supply of fossil fuels and demands that technology increasingly be smaller and more mobile.

Apax Partners, a Strategic Partner of the World Economic Forum and the Technology Pioneer programme, published today the third Technology Pioneers report, ***"The right side of the future"***.*

Dr Peter Englander, Partner at Apax Partners Worldwide LLP, said: "This generation of Technology Pioneers has focused on four major trends which we believe provide great opportunities: global demographic shifts, an impending energy crunch, the switch from fixed to mobile devices and heightened security concerns. It is always difficult to identify how these technologies will ultimately shape our future – but there is greater opportunity for success in addressing these issues."

The Technology Pioneers programme is run by the World Economic Forum with guidance from Apax Partners and Deloitte Touche Tohmatsu. Technology Pioneer 2005 companies include:

- **Astex Technology** from the United Kingdom is a biopharmaceutical research company that specialises in the development of small, molecular medicines for a range of diseases including cancer as well as inflammation and Alzheimer's. Astex's use of X-ray crystallography has the potential to accelerate the drug discovery process and to enable research on disease previously considered untreatable.
- **Fractus SA** in Spain designs miniature and multiband antennas using its proprietary fractal technology. Fractal antennas can be applied for the telecommunications, electronics, automotive and defence industries. A clear example of innovation using this technology are the recently announced base station antennas that are 60% smaller than the existing ones and are significantly less obtrusive in the urban landscape.
- **Frontier Silicon**, based in the UK, is a leader in digital broadcast semiconductors. Frontier addresses both radio and TV markets; it is the clear market leader in digital radio semiconductors, and is at the forefront of the emerging mobile digital television sector. The company offers highly integrated, low cost, complete solutions based on its advanced digital and RF semiconductors, enabling its customers to provide leading consumer electronics and mobile handset products.
- **Nexagent** from the United Kingdom enables the interconnection and management of multiple carriers to create on-demand virtual private wide-area networks for enterprises. Nexagent's software makes it possible for enterprises to have a single global network for applications, while substantially increasing the flexibility and reducing the cost of their networks.
- **Printar Ltd** in Israel develops digital printing technology designed for the manufacturing of printed circuit boards (PCBs). The company has identified more than 20 applications for digital printing technology in electronics assembly and in the electronic display industry. The electronics industry still relies heavily on traditional printing processes, including photolithography, screen-printing and stencil-printing. In digital printing the final pattern is printed directly on the PCB, eliminating the need for many traditional processes. This reduces the complexity of the chemicals needed and the length of the process, and hence costs.
- **Wisair Ltd** in Israel develops wireless communications chipsets based on ultra-wideband technology (UWB). Wisair is the first company to ship a working UWB chipset. UWB is intended for short distances and has the ability to reach bit rate of over 500Mgbs. The technology is being supported by a great number of key industry players such as Intel, Sony and TI and is intended for the consumer products markets, ie DVD players, personal digital assistants, television sets, camcorders and digital cameras as well as for the PC market.

"Over the years, the Technology Pioneers programme has really evolved. We've seen an incredible variety of Pioneers – from companies with just a few employees to large million dollar corporations. Regardless of their size, all focus on making a positive impact on society. Many of the initial Tech Pioneers continue to have success and their innovations are now a part of everyday technology. This year's class will be no

different. We congratulate their accomplishments to date and will be watching to see what may be next for them and what impact they will have on all of us," said Anne Taylor, Chief Strategy Officer, Deloitte & Touche, USA. The Technology Pioneers programme was created in partnership with Deloitte Touche Tohmatsu in 2000.

To present the Technology Pioneers and the report, Apax Partners will host a live webcast on Thursday 2 December starting at 14.30 GMT. Key representatives including founders, chief executives and chairmen of the Technology Pioneers will participate in the webcast (please see the attached schedule). Interested participants are invited to sign up for the event and to submit questions in advance at <http://www.apax.com/techpioneers>

*A copy of "***The right side of the future***" is available on <http://www.apax.com>, <http://www.deloitte.com> and <http://weforum.org> from 06.00 GMT on 6 December.

- ENDS -

NOTES TO EDITORS:

About the Technology Pioneers Programme

The World Economist Forum started the Technology Pioneers programme in 2000, with Deloitte Touche Tohmatsu and Apax Partners as Strategic Partners, with the goal of identifying and integrating companies involved in the development of potential life-changing technology innovation. Once selected, Technology Pioneers are fully integrated into Forum activities, and can meet with scientist, academics, NGOs, and Forum members and partners to discuss and debate the impact of technology innovation on society and business.

About the World Economic Forum

The World Economic Forum is an independent international organization committed to improving the state of the world. The Forum provides a collaborative framework for the world's leaders to address global issues, engaging particularly its corporate members in global citizenship.

Incorporated as a foundation, and based in Geneva, Switzerland, the World Economic Forum is impartial and not-for-profit; it is tied to no political, partisan or national interests. The Forum has NGO consultative status with the Economic and Social Council of the United Nations. (<http://www.weforum.org>)

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About Apax Partners

Apax Partners is one of the world's leading private equity investment groups, operating across Europe, Israel and the United States. With over 30 years of direct investing experience, Apax Partners' Funds provide long-term equity financing to entrepreneurs to build and strengthen world-class companies. It pursues a balanced equity portfolio strategy, investing in venture capital and buy-outs. Apax Partners' Funds invest in companies across its six chosen global sectors of: information technology; telecommunications; healthcare; media; financial services; retail and consumer. Previous Apax Partners' Technology Pioneer portfolio companies have included: BlueArc, Canesta, Corvil Networks, Procognia, Red-M, RiboTargets and Sonim Technologies. Visit www.apax.com

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Companies Selected as Technology Pioneers 2005:

Company	Representative	Title	Country
ArrayComm Inc.	Martin Cooper	Executive Chairman and Co-Founder	USA
Arryx Inc.	Lewis Gruber	Founder, Chairman and Chief Executive Officer	USA
Astex Technology Ltd	Harren Jhoti	Founder and Chief Scientific Officer	United Kingdom
cap-XX Pty Ltd	Anthony Kongats	Founder and Chief Executive Officer	Australia
Cornice Inc.	Curt Bruner	Co-Founder and Chief Technology Officer	USA
Fractus SA	Torbjörn Folkebrant	Chairman	Spain
Frontier Silicon Limited	Anthony Sethill	Founder and Chief Executive Officer	United Kingdom
Kiyon Inc.	Michael Nova	Founder and Chief Executive Officer	USA
Konarka Technologies Inc.	Howard Berke	Chairman and Chief Executive Officer	USA
Memory Pharmaceuticals Corp	Alex Unterbeck	President and Chief Scientific Officer	USA
Molecular Imprints Inc.	S.V. Sreenivasan	Co-Founder and Chief Technology Officer	USA
Nanofilm	Scott Rickert	President and Co-Founder	USA
Nexagent Limited	Charles Muirhead	President and Founder	United Kingdom
ObjectVideo	Raul Fernandez	Chairman and Chief Executive Officer	USA
PolyFuel	James Balcom	President and Chief Executive Officer	USA
Printar Ltd	Ron Zohar	Chief Executive Officer	Israel
Quantum Dot Corporation	George Dubar	Chief Executive Officer	USA
Raven Biotechnologies Inc.	Jennie Mather	Founder, President and Chief Executive Officer	USA
Red Swoosh Inc.	Travis Kalanick	Founder and Chief Executive Officer	USA
Sandbridge Technologies Inc.	John Glossner	Co-Founder, Executive Vice-President and Chief Technology Officer	USA

Sangamo BioSciences Inc.	Edward O. Lanphier II	President and Chief Executive Officer	USA
Sequenom Inc.	Toni Schuh	President and Chief Executive Officer	USA
Smart Fuel Cell AG	Manfred Stefener	Founder	Germany
Vanu Inc.	Vanu Bose	Founder, President and Chief Executive Officer	USA
Wave7 Optics Inc.	Tom Tighe	Chief Executive Officer	USA
Wisair Ltd	David Yaish	Founder, President and Chief Executive Officer	Israel
Xencor Inc.	Bassil Dahiyat	Founder and Chief Scientific Officer	USA
Z-KAT Inc.	Rony Abovitz	Chief Technology Officer, Director and Co-Founder	USA
ZettaCore Inc.	Randolph Levine	Founder and Director	USA

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**WORLD ECONOMIC FORUM
TECHNOLOGY PIONEERS 2005**

**Webcast
THURSDAY 2 DECEMBER, 2004**

1430-1445 HOURS GMT

OPENING INTRODUCTION

WORLD ECONOMIC FORUM

Ged Davis, Managing Director, Centre for Strategic
Insight

www.weforum.org

APAX PARTNERS

Dr. Peter Englander, Partner

www.apax.com

DELOITTE TOUCHE TOHMATSU

Anne Taylor, Chief Strategy Officer

www.deloitte.com

1445-1500 HOURS GMT

**HEIGHTENED SECURITY CONCERNS (OWING
TO CONCERN OVER TERRORISM AND AN
EVER-GROWING RELIANCE ON DIGITAL
TECHNOLOGY)**

APAX PARTNERS

Ayelet Edrey, Principal

www.apax.com

NEXAGENT LTD (UK)

Charles Muirhead, Founder and President

www.nexagent.com

OBJECTVIDEO (USA)

Raul Fernandez, Chairman and Chief Executive Officer

www.objectvideo.com

1500-1530 HOURS GMT

**MOBILE DEVICES (WHICH ENABLE USERS TO
WORK, PLAY AND COMMUNICATE ON THE
MOVE)**

APAX PARTNERS

Salim Nathoo, Principal

www.apax.com

ARRAYCOMM, INC (USA)

Martin Cooper, Co-Founder and Executive Chairman

www.arraycomm.com

CORNICE, INC (USA)

Curt Bruner, Co-Founder and Chief Technology Officer
www.corniceco.com

FRACTUS SA (SPAIN)

Torbjorn Folkebrant, Chairman
www.fractus.com

FRONTIER SILICON LTD (UK)

Anthony Sethill, Founder and Chief Executive Officer
www.frontier-silicon.com

KIYON, INC (USA)

Frank Wong, Director, Marketing
www.kiyon.com

SANDBRIDGE TECHNOLOGIES, INC (USA)

John Glossner, Co-Founder, Executive Vice-President
and Chief Technology Officer
www.sandbridgetech.com

VANU, INC (USA)

Vanu Bose, Founder, President and
Chief Executive Officer
www.vanu.com

WISAIR LTD (ISRAEL)

David Yaish, Founder, President and
Chief Executive Officer
www.wisair.com

1530-1600 HOURS GMT

ENABLING TECHNOLOGIES

APAX PARTNERS

Torsten Krumm, Director
www.apax.com

ARRAYX, INC (USA)

Lewis Gruber, Founder, Chairman and
Chief Executive Officer
www.arrayx.com

MOLECULAR IMPRINTS, INC (USA)

S. V. Sreenivasan, Co-Founder and
Chief Technology Officer
www.molecularimprints.com

NANOFILM (USA)

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www.nanofilm.cc

PRINTAR LTD (ISRAEL)

Ron Zohar, Chief Executive Officer
www.printar.com

QUANTUM DOT CORP (USA)

Marcel Bruchez, Principal Staff Scientist
www.qdots.com

RED SWOOSH, INC (USA)

Travis Kalanick, Founder and Chief Executive Officer
www.redswoosh.net

WAVE7 OPTICS, INC (USA)

Emmanuel Vella, Chief Marketing Officer
www.wave7optics.com

ZETTACORE, INC (USA)

Randolph Levine, Founder and Director
www.zettacore.com

1600-1630 HOURS GMT

ALTERNATIVE ENERGIES

APAX PARTNERS

Christian Reitberger, Director
Torsten Krumm, Director
www.apax.com

CAP-XX PTY LTD (AUSTRALIA)

Dan Auton, Vice President, Sales
www.cap-xx.com

KONARKA TECHNOLOGIES, INC (USA)

Howard Berke, Chairman and Chief Executive Officer
www.konarkatech.com

POLYFUEL, INC (USA)

James Balcom, President and Chief Executive Officer
www.polyfuel.com

SMART FUEL CELL AG (GERMANY)

Oliver Freitag, Product Manager
www.smartfuelcell.de

1630-1700 HOURS GMT

**BIOTECHNOLOGY (LIFE EXPECTANCY AND
TREATMENT OF DISEASES)**

APAX PARTNERS

Jeremy Reffin, Director
www.apax.com

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www.astex-technology.com

MEMORY PHARMACEUTICALS CORP (USA)

Alex Unterbeck, President and Chief Scientific Officer
www.memorypharma.com

RAVEN BIOTECHNOLOGIES, INC (USA)

Jennie Mather, Founder, President and
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www.ravenbio.com

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www.sangamo.com

SEQUENOM, INC (USA)

Steve Zaniboni, Chief Financial Officer

www.sequenom.com

XENCOR, INC (USA)

Bassil Dahiyat, Founder and Chief Scientific Officer

www.xencor.com

Z-KAT, INC (USA)

Maurice R Ferre, President and Chief Executive Officer

www.z-kat.com