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The Bosch Group is a leading global supplier of technology and services, active in the fields of automotive technology, energy and building technology, industrial

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The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it

possible for the company to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH.

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SIEMENS Siemens is a versatile and innovative technology company employing around 370,000 staff worldwide. Through its regional business Siemens Switzerland, the Group has been present here in Switzerland for around 120 years and is one of the country's largest employers. The some 6,200 employees of Siemens Switzerland work in the areas of Infrastructure and Cities, Industry, Energy, and Healthcare. In addition, the international headquarters of the global Building Technologies business is located in Switzerland. As a future-oriented business, Siemens has been focusing on energy-efficient and environmentally-friendly products and services for years. It is a strategy that has proven successful as the Group is already generating around 40% of its turnover through its highly diversified green portfolio.

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BÜHLER Bühler is a specialist and technology partner for plant, equipment, and services for processing basic foods and for manufacturing advanced materials. The Group holds leading market positions worldwide in technologies and processes for transforming grain into flour and feeds, making pasta and chocolate, as well as in the field of aluminum die casting. The Group's core technologies lie in the area of mechanical and thermal process engineering. With the expertise and experience it has accumulated over more than 150 years, Bühler time and again rolls out unique and innovative solutions for its customers, thus enabling their market success. Over the decades, Bühler has acquired a reputation as a reliable partner, thanks to its declared commitment to quality and its global presence. Bühler Group operates in over 140 countries, has a global payroll of over 10,000, and in fiscal 2012 generated sales revenues (turnover) of CHF 2,409 million.

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SWISS NATIONAL SCIENCE FOUNDATION

Every year the Swiss National Science Foundation (SNSF) supports more than 8,000

scientists. It is Switzerland's foremost institution in the promotion of scientific research. One of its core tasks is the evaluation of research proposals and, every year, the SNSF awards over 700 million Swiss francs to the best applications. By distributing public research money based on a competitive system, the SNSF contributes to the high quality of Swiss research. To ensure its independence in research, the SNSF was established as a private foundation in 1952. Mandated by the federal authorities, the SNSF supports basic science in all academic disciplines, from history to medicine and engineering sciences. In close collaboration with higher education institutions and other partners, the SNSF works towards creating the best possible conditions for the development and international integration of Swiss research. The SNSF is paying particular attention to the support of young scientists.

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GE imagination at work

GE Global Research is one of the world's largest and most diversified industrial research organizations, providing innovative technology for all of GE's business. Global

Research has been the cornerstone of GE technology for more than 100 years, and is now focused on developing breakthrough innovations in areas such as molecular imaging and diagnostics, energy systems, nanotechnology, advanced propulsion, or information technology.

GE Global Research is headquartered in Niskayuna, NY, and has further facilities in the USA, India, China, Germany, and Brazil. With over 2,500 scientists world-wide, of which nearly two thirds hold a PhD degree, GE Global Research is a growth engine for GE, leveraging technology across industries and across scientific disciplines. In the area of Controls, Electronics, and Signal Processing, almost 200 researchers in ten labs in four different countries work on a broad range of control solutions for applications as diverse as renewable energy generation, aviation, transportation, healthcare, and many others.

The Controls and Embedded Systems Lab in Munich focuses on control and PHM algorithms, high-integrity systems, and model-driven development. We are globally looking for graduate level engineers and scientists with a strong background in controls, real-time systems, signal processing, electronics, or related fields.

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evolving mobility worldwide by answering the call for more efficient, sustainable and enjoyable transportation everywhere. Our vehicles, services and, most of all, our employees are what make us a global leader in transportation. Bombardier's headquarter is located in Montréal, Canada. Our shares are traded on the Toronto Stock Exchange (BBD) and we are listed on the Dow Jones Sustainability World and North America Indexes. In the fiscal year ended December 31, 2012, we posted revenues of USD 16.8 billion.

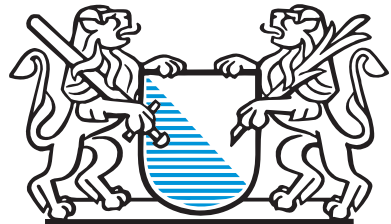
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cutting-edge research, also for tomorrow's information technology, to cultivate close relationships with academic and industrial partners, and to help drive Europe's innovation agenda. Among its notable achievements are the Nobel Prizes for the invention of the scanning tunneling microscope in 1986 and the discovery of high-temperature superconductivity in 1987. Several of the research activities at IBM Research - Zurich are related to dynamical systems and control. These include scanning probe microscopy, scanning-probe-based data storage, nanofabrication, high-speed and high-resolution nanopositioning, nanoscale sensing, and actuator and controller design for mechatronic systems such as tape-drive technology.

www.research.ibm.com



FPT Motorenforschung AG

The FPT Motorenforschung AG, established in 1982 after the closure of the Saurer truck company, is part of the product engineering organisation of FPT industrial, the powertrain company

within Fiat Industrial. The more than 200 collaborators (of which around 50% engineers) focus on base engine development, combustion technologies, turbocharging, aftertreatment, reliability, OBD and engine system controls. 30 up-to-date engine test cells plus various rigs, laboratories and testing facilities are available. Furthermore, the Arbon tech centre is in charge of all advanced system developments to comply with current and future emission regulation world-wide and to offer best in class products for improved engine system efficiency and CO₂ emissions. An example of such an innovation is the Hi-eSCR, the SCR-only solution for compliance with Stage IV and Euro VI emissions. This system is based on efficient catalytic conversion combined with model-based controls and provides best engine fuel economy. FPT Industrial's engines are powering Iveco vans, trucks and buses, the agricultural machinery and construction equipment of Case NewHolland (CNH) and many otherwise branded machines, vehicles, boats, trains and power stations.

www.fpt-motorenforschung.ch



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www.mathworks.ch



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United Technologies Research Center (UTRC) delivers advanced technologies to the businesses of United Technologies Corporation (UTC). UTC (NYSE:UTX) is a diversified company that provides a broad range of high-technology products and services to the global aerospace and building systems industries. UTC's commercial businesses are Otis elevators and escalators and UTC Climate, Controls & Security, a leading provider of heating, ventilation, air conditioning, fire and security systems, building automation and controls. UTC's aerospace businesses are Sikorsky Aircraft Corporation, Pratt & Whitney aircraft engines and UTC Aerospace Systems aerospace products.

UTRC partners with UTC business units and external research organizations across the globe to pursue research and deliver innovation with impact, delivering technology options that meet and anticipate the needs of the marketplace. Founded in 1929, UTRC is headquartered in East Hartford, Connecticut (U.S.), with an office in Berkeley, California and research and development centers Shanghai, China and Cork, Ireland.

United Technologies Research Centre Ireland, Ltd. (UTRC Ireland) conducts research into energy management and security systems, targeting district-level solutions for the existing built environment to deliver advanced technologies to UTC's commercial and aerospace businesses worldwide. UTRC Ireland builds world-class multi-disciplinary expertise to address challenging problems in advanced building management, intelligent systems, sensor data processing, and aerospace systems.

www.utrc.utc.com



The FP7 Network of Excellence HYCON2, started in September 2010, is a four-year collaborative project coordinated by CNRS (French National Center for Scientific Research). HYCON2 aims at stimulating and establishing the long-term integration of the European research community, leading institutions and industry in the strategic field of control of complex and networked dynamical

systems. HYCON2 is assess and coordinating basic and applied research, from fundamental analytical properties of complex systems to control design methodologies with networking, self-organizing and system-wide coordination. Several applied fields are privileged in order to motivate, integrate, and evaluate the research breakthroughs. These domains are ground and aerospace transportation, electrical power networks, process industries, and biological and medical systems. Benchmarking is serving as a tool for testing and evaluating the technologies developed in HYCON2 and for stimulating and enforcing excellence by the identification and adoption of best practices. In particular, two show-case applications corresponding to real-world problems have been selected in order to demonstrate the applicability of networked control and the need for research in control. A further important objective of HYCON2 is to spread and disseminate excellence through multi-disciplinary education at the graduate and undergraduate level.

www.hycon2.eu

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To develop robust controllers, it is essential to have an accurate model of your plant. The better your model, the better you can tune your controller. The Maplesoft suite of engineering tools can allow you to:

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- Maintain full control with "white box" modeling and analysis
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- Take advantage of industry-tested Modelica components in your models.
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Wednesday, July 17, 2013	08:00 – 18:00
Thursday, July 18, 2013	08:00 – 18:00
Friday, July 19, 2013	08:00 – 14:00

Exhibition location: ETH Zurich, HG E Foyer-Süd



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