Università degli Studi di Verona

Computer Science Park
technology transfer for ICT companies
CSP at a Glance

Spin-offs:
- 3 established
- 2 just created

Start-ups:
- 2 on the market by more than 7 years

People:
- 19 operating partners
- 6 permanent employees
- 6 temporary employees

Total:
- 31 people involved + \( n \) consultants

1.1M€ annual turnover

26 June 2014
Promote the technology transfer in all information and communication technology (ICT) fields

The Computer Science Park (CSP)

- supports the creation of spin-offs, as joint initiatives between the Computer Science (CS) Department and companies and territorial institutions
- attracts start-ups by providing an effective environment for expanding their business
- is an effective location for technical offices of medium and large companies that aim at improving the technology level of their products
Offices with:
- high-level communication infrastructure, autonomous entrance, dedicated signs, completely furnished

Common infrastructures like:
- meeting rooms, workshops, conference room, server farm, canteen
Common logistics and administrative services

Integration, co-marketing, network initiatives
- with other CSP companies and the CS Department

Internships for students

Consulting from professors and researchers
- of the CS Department
Effective contracts:

- research + space
- research contract produces tangible results
- space in the CSP environment fertilizes the innovation
  the location for the innovation

Mixed research contracts:

- basic research, internships, thesis, proof analysis
  - CS mission
- applied research, prototypes, training, unlabeled products
  - CSP mission

a unique partner with two different sensibilities
Technology transfer facilitation:
• research results are transformed in product prototypes for their easy inclusion into a product portfolio, this is the correct way to cover the last mile in technology transfer

Funded projects organization:
• consortium organization (e.g., partners for RTI, international links)
• proposal preparation
• coordination and third-party structure
  how to enter in Horizon 2020 - POR - JP
Spin-off Companies

- 3Dflow s.r.l. - www.3dflow.net
  - computer vision and image processing

- AltairMed s.r.l. - www.altairmed.it
  - chirurgical robotics

- Julia s.r.l. - www.juliasoft.com
  - software verification

- BBZ s.r.l. - www.bbzsrl.com
  - medical technologies

- D-Nest Web srl s.r.l. - www.dnest.eu
  - semantic web
Start-up Companies

- **eVS s.r.l.** - [www.embeddedvisionsystems.it](http://www.embeddedvisionsystems.it)
  - embedded vision systems

- **EDALab s.r.l.** - [www.edalab.it](http://www.edalab.it)
  - networked embedded systems

- on the market since more than 7 years
3Dflow is a consulting company and software house operating in the field of Computer Vision and Image Processing.

**PRODUCTS:**

- **3DF Zephyr** allows you to automatically reconstruct 3D models from photos

**SERVICES:**

3Dflow offers customized computer vision software solutions built around our expertise in the following areas:

- 3D reconstruction
- 3D modeling from reality
- 3D Stereo processing
- augmented reality
Altairmed main goal is the translation of the laboratory research in health care robotics into products of the company’s main shareholder, Surgica Robotica Srl. Technologies being addressed are mainly concerned with robot-assisted surgery, including control and medical image registration algorithms.

These technologies have been used in the development of the prototype of Surgica Robotica first product:

which is currently undergoing industrialization and refinement
Julia srl specializes in the production of tools for formal automatic verification of computer programs and the development of high-quality, formally verified software. Our clients include DARPA (US Dept. of Defence) and one of the major Italian insurance companies.

- **JULIA ANALYZER**
  - an award-winning verification tool
  - based on static analysis and abstract interpretation
  - successfully deployed in banking and insurance environments

- **SOFTWARE DEVELOPMENT**
  - high quality software for complex solutions
  - multicore, cloud and mobile solutions
  - Java, Android, GWT, Play!, Vaadin…
  - all our software passes the verification tests of our static analyzer
BBZ Srl is active in the development of hardware and software tools for medicine and surgery.

The expertise of its founders ranges from the development and certification of surgical robots, to the interactive simulation of realistic environments on parallel architectures.

PRODUCTS & SERVICES:
• Design and production of Hardware and Software for medical applications, like dental implantology, laparoscopic surgery training systems, patient specific simulation for surgery planning.
d-nest Web is the company that shall build the **crossroads of innovation**: a collaboration system that allows users to collectively develop industrial innovation (product, process, channel, market) and technological innovation or artistic or cultural one under legal bonding. D-nest offers a wide range of **IT support to the development of innovation**, again by means of collaboration platforms, and supports the development of innovation in industry by offering related consultancy.

**SERVICES:**
- information-driven innovation
- web technologies
- semantic web
- industrial consultancy on semantic engines
eVS designs **computer vision software on embedded architectures**

eVS is a high-tech company strongly oriented towards research and innovative solutions for Driving Assistance, Biomedical Imaging, Machine Vision and Security

**PRODUCTS:**
- **IP\(^2\) core lib**: FPGA IP Core library for Image Processing, Feature Extraction, Object Recognition
- **BeQuanti**: biomedical software tool for leukocyte trafficking analysis
- **PCN**: People and Passenger Counter for public transport and building automation

**SERVICES:**
- R&D services to system integrators and OEMs who want to renew or revise their products with vision capabilities
- Feasibility studies
- Prototyping, Technology transfer
EDALab produces software solutions for Embedded Systems.
EDALab offers different cooperation types in order to meet heterogeneous innovation requirements, starting from customer driven software development ending with design and software integration of entire systems.

PRODUCTS:
- Human Machine Interface (HMI) for embedded devices
- Design of control devices and set-top-boxes for monitoring and data acquisition
- Web 2.0 Dashboards for remote control and monitoring
Do you want to create a spin-off?
  • the CSP hosts your ideas

Are you a start-up?
  • locate it at CSP to boost your business

Does your company need to locate part of the research activity?
  • a research+space contract at CSP is the solution

Are you looking for effective technology transfer?
  • CSP+CS can help you with a mixed research contract

Looking for funded projects organization?
  • CSP+CS is a credible third party able to organize proposals