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3DCentral

NEWSLETTER #3

May 31st, 2018

We were excited, inspired and motivated during two superb days of Digital Dragons conference!



On 21 and 22 May Kraków became the Capital of European Gamedev, and this thanks to the Digital Dragons conference. We've slated nearly 100 talks by the industry's experts and tycoons from all over the world, the competition for indie game developers, and a plethora of opportunities for networking into the two days.

Digital Dragons is a true feast of the Polish gamedev community, attracting representatives of

practically all studios in Poland. It is a unique opportunity to hold countless meetings, discover the pearls of Polish gamedev, and test new domestic productions.

It is not a coincidence that Digital Dragons has become known as the Polish GDC: attractive lectures by experts from studios of the magnitude of Naughty Dog, 11 bit studios, Remedy Entertainment, CD Projekt RED, Sony Santa Monica, Creative Assembly, and Techland. Increasing their attractiveness from year to year, they make the presentations component highly popular.

Indie games fans have their place secured at Digital Dragons: in fact, there is an entire floor where Indie Showcase is held. The most prestigious indie games competition in Poland, it attracts plenty of attention, and last year boasted 60 studios from 13 countries. High level of the games presented at Indie Showcase is proved by the later success of its winners, to mention 911 Operator and Timberman.

On the conference there were far more attractions: an ideal chillout zone with a view of the historic Wawel Castle for comfortable, off-the-record meetings, accompanying events hosted in the coolest places of Kraków, the city of cool, and last but not least, the Digital Dragons Awards Gala for the best productions of 2017.

Innovation of Automation Tech and Inno Camp



Highlights of the Innovation of Automation event, sponsored by the 3D Central project.

CAMPUS 02, University of Applied Science, organized on the 11th of April 2018 a 3DCentral sponsored Technology and Innovation Camp (TIC) with the title Innovation of Automation (IOA). The IOA TIC, as the name indicates aims at highlighting the latest developments in the field of automation engineering at CAMPUS 02, and due to automation technology being a sub-field of mechatronics, it fits perfectly to the mechatronics KACE topic that CAMPUS 02 is responsible for in the scope of 3DCentral.

The TIC was split into two parts, the first of which was intended as a KITTS training aimed at the 3DCentral project partners. The training focused on the topics of Mechatronics and its sub-filed

Adaptronics, and Smart Services with presentations held by Mr. Roman Elsner from Fraunhofer IWU, Dr. Egon Lueftenegger and Dr. Ali Abdallah from CAMPUS 02. The KITTS training was followed by a demonstration by Mr. Michael Juwan of the Automated Guided Vehicle designed and realized by CAMPUS 02 for the automotive supplier Magna Steyr, and a poster session highlighting examples of master theses done by CAMPUS 02 students in the field of Automation engineering. The KITTS training ended by a tour of the CAMPUS 02 lab facilities.

The second part of the IOA TIC was a larger event opened for a general audience consisting mostly of Austrian stakeholders and industrial partners. In the event, the Automation technology study program and its main R&D achievements in the past year were presented by Prof. Dr. Udo Traussnigg, followed by a presentation of 3DCentral and one of its success stories, a collaboration project where CAMPUS 02 and Fraunhofer IWU are both partners, held by Prof. DI. Dieter Lutzmayr. In addition, three selected master and bachelor theses in the field of automation engineering were presented at the event and the best of them received the prize for the best thesis written in 2018. At the end of the ceremony a networking event and poster session took place, opening the door for further bilateral discussions and collaboration possibilities.

In total both parts of the TIC were attended by approximately 100 people from 45 different organizations, considerably increasing the visibility of 3DCentral and highlighting its aims and targets.

3DCentral: the example of an INTERREG project implementation in synergy with ongoing EU initiatives

Since 2014, AFIL is actively involved in Vanguard Initiative, contributing to the 3DPrinting Pilot and co-leading the Efficient and Sustainable Manufacturing pilot. With the intent of supporting the development of these pilots overcoming the main challenges encountered, AFIL is participating in several projects and initiatives: INTERREG projects and 3DCentral, in particular, represents a relevant opportunity to expand the network of Regions and stakeholders involved in the pilot and its demo-cases, moreover it contributes to the identification of applications to be integrated in the existing pilot as use-cases.

The Vanguard Initiative cross-sectorial and cross-regional approach has the aim to develop innovative EU value-chains through the establishment and interconnection of pilot nodes. Indeed, the KACE system, on which the project builds on, it is completely in line with this concept and it represents an important set of tools useful to deepen the knowledge of partners and their stakeholders while highlighting their competences and key capabilities that can be integrated in the pilot network. As an example, AFIL, who is leading the “Technologies for Sustainable Manufacturing” KACE, exploited the Mobility Actions, Tech&Inno Camps and the applications identified in this framework to promote transfer activities and matchmaking among regional stakeholders. Considering the other KACEs, all the topics addressed are extremely in line with the themes developed in the framework of ESM pilot:

- De-and Remanufacturing (Circular Economy)
- Advanced Sustainable Surface and Material Technologies for Functional Polymers
- Smart and adaptive assembly and manufacturing
- Digital and Virtual factory
- Energy-flexible and resource-efficient factory operation

A number of other INTERREG projects are implemented by AFIL in synergy with Vanguard Initiative and each of them as a specific and well-defined purpose:

- S34Growth (INTERREG Europe) - aimed at identifying and implementing new (or improved) policy instruments promoting and facilitating the cooperation among EU Regions with a particular focus on the needs coming from the Vanguard pilot implementations.
- Greenomed (INTERREG MED) - definition, optimisation and transfer of Vanguard ESM methodology to enlarge the network of Regions involved in the pilot through a structured approach.



VR Expo in Stuttgart

The 2. VR Expo will demonstrate several Virtual Reality applications and use cases for engineering and business solutions. The VR Expo will be in a format of an “open fair” at the ARENA 2036 in Stuttgart. The exhibition addresses professional visitors as well as young talents. Solution providers from 30 technology companies as well as research institutes will demonstrate actual VR and AR applications and solutions. The visitors will have a chance to test large VR installations and VR Labs, while Tech Talks and networking events will offer opportunities to meet the experts.

A 3DCentral Mobility Action will be held in the afternoon of July, the 5th. You can visit the expo and additionally, the VDC guided tour (<https://www.vdc-fellbach.de/>) will be organised.

For more information, you are kindly invited to visit: <https://www.vr-expo.de/>

Further details

3DCentral partners



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