

Event Report - National Conference of Informatics Students - ENEI 2018

Organising Committee of "Encontro Nacional de Estudantes de Informática 2018"

September 27, 2018

1. Project Context and Description

The National Conference of Informatics Students (ENEI) is an event that brings together students from all over the country and promotes learning, exchange of ideas and socializing while trying to create strong connections with the business world.

Its 12th edition took place at the Faculty of Engineering of the University of Porto from March 23 to 26, 2018. The organization had 667 enrolled students who participated in 19 lectures, 20 workshops and a panel discussion, with national and international renowned speakers.

This version of ENEI also included the traditional nighttime fun activities that appeal to all participants and are a great way share knowledge, network and create new bonds.

Although the event only took place in March 2018, the first recorded meeting has the date of December 13, 2016!

1.1. Event Structure

- (i) **Talks** – 19 lectures educated participants on topics related to Artificial Intelligence, Cybersecurity, Game Development and Web. Noteworthy speakers include Professor Andrew Tanenbaum, Wolfgang Merkt, Alexey Sidorenko and Professor Luís Paulo Reis .
- (ii) **Workshops** – 20 workshops covering the most varied themes, from Blockchain to Internet of Things, through Web and Game Development, complemented the theoretical component of the lectures throughout the event.
- (iii) **Panel Discussion** - Discussing the current state of education and its evolution in order to keep pace with the development of the industry. He counted on Filipe Araújo, Vice-President of the City Hall of Porto; Raul Moreira Vidal, Professor Emeritus of the Faculty of Engineering of the University of Porto; José Carlos Sousa, Director of Educational Projects Services of the Directorate-General for Education; José Pedro Nunes, student representative at the General Council of the University of Porto; and Carlos Alberto Silva, Executive Board Member of Sonae

IM. The panel was moderated by Sérgio Sousa, animator in the morning at "Radio Nova" and chronicler at "Jornal de Notícias".

- (iv) **Networking with Companies** – The participants were able to contact the companies along the corridor B of the college, as well as in moments dedicated to it such as the Networking Session, Cocktails and Enterprise Dining. During the event, there were several moments of interaction among the participants, such as the "Mega Febrada" in the Students' Association, Peddy Paper in downtown Porto, karaoke, Quiz by Whitesmith, among other challenges.
- (v) **"Programming for Everyone" Workshop** – Introductory programming workshop for high school students through the use of various Raspberry Pi devices, the Python language and the Minecraft video game. This activity was organized jointly with Professor Ademar Aguiar and gathered about 20 students from various schools and colleges in the city of Porto.

1.2. Structure of the Organising Committee

The Organising Committee has been divided into several departments for easier assignment of tasks and responsibilities. There were, in total, eight teams formed and their objectives were as follows:

- (i) **General Managers** – Coordination of the entire organizing team through meetings and other means of communication and contracting of food and accommodation services for participants.
- (ii) **Treasury** – Management and budgeting of all activities and initiatives of the event.
- (iii) **Communication and Image** - Responsible for the identity of the event, media management (Facebook, Instagram and LinkedIn).
- (iv) **Business Relations** - Contact with the business partners of the Conference before and during the event and for activities related to the business world: the Networking Session and the Cocktails Session.
- (v) **Program** - Search of speakers and workshops that suited the technological themes intended for the event, followed by their contacts, schedule scheduling, review of proposed presentations, accommodation and travel.
- (vi) **Animation** - Responsible for the daytime and evening entertainment of the event, including two night parties, a dinner at the FEUP Student Association, a "Rally das Tascas", a Peddy Paper, dinner between participants and companies) and performances of the artists in the activities that took place throughout the event.
- (vii) **Logistics** - Contracting and coordination of transport services of participants, security and cleanliness of the accommodation spaces of the participants, ensuring the same spaces and respective conditions of use.
- (viii) **IT** - Development and maintenance of the IT structure of the event, essentially the website and mobile application of the conference.

2. Appendix

2.1. Overall budget

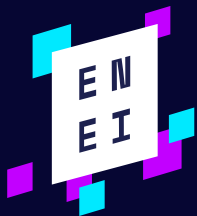
Total	€55,619.28
Empresas	€40,100.00
Inscrições	€14,219.28
Instituições	€1,300.00

Table 1. Categorized Incomes

Total	€52,900.78
Alimentação	€22,414.88
Centro de Eventos	€11,836.29
Imagem	€6,894.78
Oradores	€1,869.26
Comunicação	€2,924.74
Logística Outros	€2,843.64
Alojamento	€1,542.30
Atividade Noturna	€1,546.92
RoadShow	€1,013.27
IT	€14.70

Table 2. Categorized Expenses

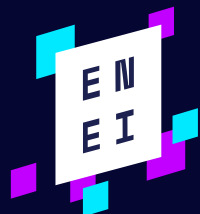
2.2. Event schedule



Programa

23 de março

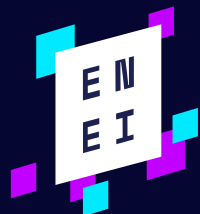
	Palestras	Atividades
14:00	Boas-vindas Entrada FEUP	Check-in Entrada FEUP
17:30	Sessão de Abertura Auditório FEUP	
19:30	Jantar Cantina de Engenharia	
21:00	Festarola	
03:00	AEFEUP	



Programa

24 de março

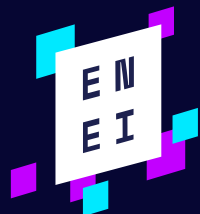
	Palestras	Workshops		
08:00	Alvorada			
09:15	Pequeno-Almoço			
10:00	Luís Paulo Reis Inteligência Artificial e Robótica: Cooperação Homem-Robô para a Formação de Equipas compostas por Humanos e Robôs	Ricardo Faria e Pedro Pires Modern Graph Analysis using Tinkerpop and Janusgraph B116	Renato Rodrigues e César Silva Web Security Foundations: Hands-on! B107	Federico Bento e Joana Barão Capture the Flag: CTF 101 B120
11:00	Andrew Tanenbaum MINIX 3: A Reliable and Secure Operating System			
12:00	Ivo Silva Construção de uma pipeline para release de aplicações móveis			
12:30	Almoço Cantina de Engenharia			
14:00	André Silva Blockchain	Filipe Carvalho e Fábio Barbosa Espresso The Android Way B120	Sessão de Networking Tudo o que precisas para te lançares no mercado de trabalho. B116	
14:45	Ricardo Matos An Internet of autonomous vehicles: Moving terabytes of data between vehicles and the cloud			
15:30	Daniel Teixeira Cibersegurança			
16:00	Coffee Break Coffee Lounge FEUP			
16:45	Debate: Educação 4.0 Raul Vidal, João Carlos Sousa Filipe Araújo, Carlos Alberto Silva José Pedro Nunes, Sérgio Sousa	Alexandra Pinto e Boudhayan Mukherjee Next Gen Experiences through Connected Technologies B116	Daniel Silva Programação Funcional com Elixir e Phoenix B120	
18:30	Deslocamento FEUP → Campo Alegre			
19:30	Jantar Cantina FLUP			
21:00	Rally das Tascas	Peddy Paper		
00:00	Discoteca na Baixa		Deslocamento Baixa → FEUP	
04:00				



Programa

25 de março

	Palestras	Workshops		
08:00	Alvorada			
09:15	Pequeno-Almoço			
10:00	Wolfgang Merkt From Industrial Automation, Disaster Recovery, and Space Exploration: A Journey in Practical Robotics	Paulo Patrício e Sandra Simões Internet of Things: Da Conceção à Criação B116	Rui Brilha e Egas Basto Desenvolver um Jogo como um Produto B120	Celso Martinho Blockchain 101 B107
10:30	Eduardo Espinheira De Estudante a Engenheiro Informático: Gestão de Carreiras para Tóts			
11:15	João Azevedo Introdução à Programação Funcional com JavaScript			
11:45	José Pedro Silva Indústria 4.0			
12:30	Almoço Cantina de Engenharia			
14:00	João Leal De Portugal para a Google	Henrique Ferrolho Introdução à Robótica com Three.js B116	André Cruz Criação de Recursos 3D para Motores a Tempo Real B120	Luís Grangeia Cibersegurança B107
14:30	Alexey Sidorenko The Closure: How Russian Government Seeks to Exert Full Control Over the Net			
15:15	Job van der Voort GitLab: Growing an Open Company			
16:00	Coffee Break Coffee Lounge FEUP			
16:45	Egas Bastos 10 Pro Tips Para Ser um Game Developer de Sucesso	Presentation Karaoke B120	IEEE ESP Applied to IoT B116	Pedro Janeiro Introdução ao Docker B107
17:30	Guilherme Duarte Ser informático: A vida e um sócio escolheu			
18:15	Presentation Karaoke Final Auditório FEUP			
18:30	Sessão de Cocktails I-105		Quiz by Whitesmith Auditório	
20:30	Mega Febrada AEFEUP		Jantar Empresarial Até à meia-noite	
03:00				



Programa

26 de março

Palestras

Workshops

08:00

Alvorada

09:15

Pequeno-Almoço

10:00

Nelson Pinho

Will You Disrupt or Be Disrupted in 2018?
Digital Transformation and the New Face of Business

**João Riqueza,
Ernesto Costa
e Marcelo
Barroso**

{H}API Day:
Open
Architectures
B116

**Pedro
Caraméz**

Masterclass
LinkedIn e
Apresentação
DCOOP
B107

**Mário Carneiro
e João Gradim**

Introdução ao
Ecossistema
do Arduino e
à IoT
B120

11:00

Rui Guedes

Novas Realidades Digitais: Virtual, Aumentada e Mista

11:45

Leonel Morgado

Jogos Sérios e Mundos Virtuais para Ensino e Formação:
Tendências e Perspetivas

12:30

Almoço
Cantina de Engenharia

14:00

Sessão de Encerramento
Auditório FEUP

15:30

Porto de Honra

17:00