# Advanced Applied Electronics It's all about Internet of Things

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Choose yourself and new technologies

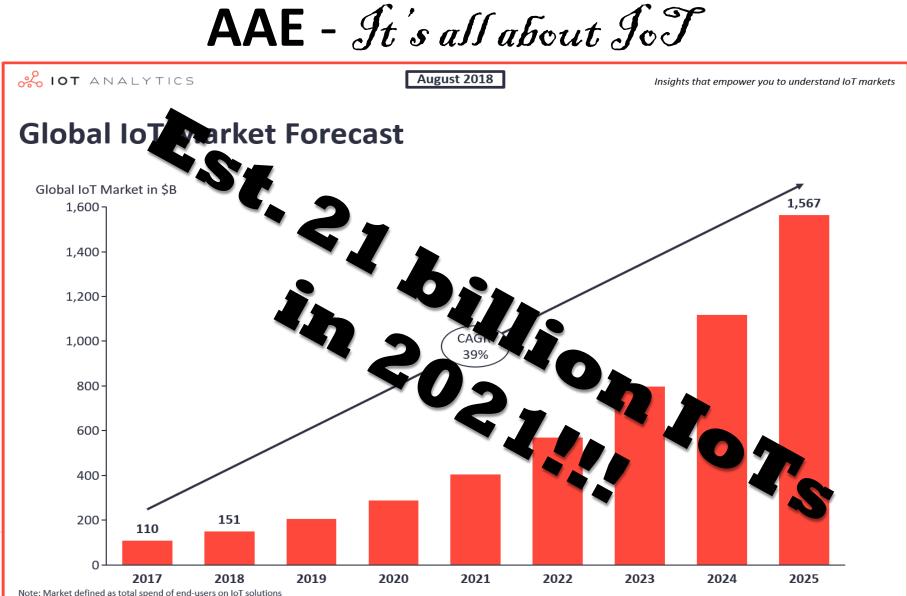








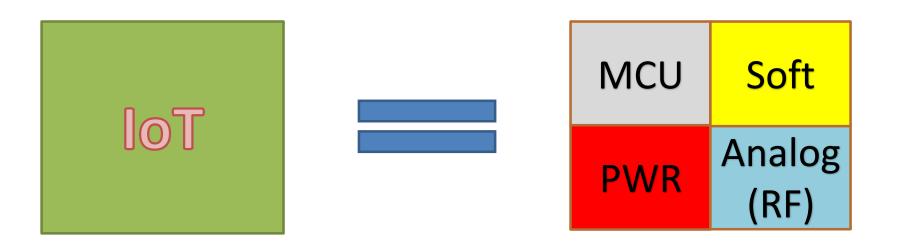
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Source: IoT Analytics Research 2018



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## Facts about the specialization

- Advanced Applied Electronics M.Sc., specialization conducted entirely in English:
  - 3 semester
  - Between 20 and 30 students each year
  - better chances on the labour market
  - competitiveness on the European labour market
  - the ease of making contact:
    - more opportunities for foreign scholarships
    - contact with students from many countries during classes (Belgium, Greece, Turkey, Spain, Portugal, Ukraine, South Korea).

- Easier academic career - English is a standard in today's science



#### Facts about the specialization

- Objects oriented to practice:
  - Preparation for work in companies
  - Preparation for work *in research laboratories*
- Four basic groups of items:
  - Analogue and digital electronics
  - Optoelectronics
  - Signal processing
  - Programming









#### Courses

h∖sem	Ι	II	III
24	Optical Fibres and	DSP Controllers	
23	Optocommunication	Architecture	Master Thesis
22			
21			
20	Microcontrollers	Hardware Programing	
19	Programming		
18			
17			
16	Computer Network and Systems	Lasers and Applications	
15			
14			
13		Analog Peripherals	
12	Numerical Algorithms	of Digital Systems	
11 10			Optional
9	Numerical methods	Mashina Lasuning Mathada	courses
8		Machine Learning Methods	
7	in differential equations		
6		RF Circuits Design	New Approaches in Electronics and Photonics
5	Social Comunication	Ri Circuits Design	
4	Foreign language B2		Entrepreneurship
3			Entropronourship
2	Foreign language	Specialization seminar	Dintoma seminar
1		Specialization seminar	Diploma seminar
1			

# Some diplomas subjects:

- IP Radio with Ethernet interface
- Comparison of signal processing efficiency of different DSP architectures
- High precision VCSEL laser based range finder
- CAN Open based sensors network
- Performance testing of symmetric key algorithms in the WolfSSL cryptographic library on the STM32F2 platform









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## Thank you for the attention

- In case of questions, please contact:
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