

July 7th, 2017

IFAE 25th Anniversary Celebration

CAREERS BEYOND IFAE

Anna Pascual



1990 –1998:

PhD Student at IFAE ALEPH Experiment
UAB assistant professor

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▶ 1998–Today:
Project Manager Healthcare Division
Corporació Sanitària Parc Taulí

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Hospital Parc Taulí

- Large and complex organization
- More than 3.000 professionals: 800 doctors / 900 nurses / 1.000 nursing assistants / 800 beds
- One-day activity:
 - 380 emergency visits
 - 3.000 outpatient visits
 - 150 surgeries
- Hospital works 24 hours/day X 365 days/year!



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Why does a Hospital need a Physics Dr ??

- Guess: Neural Nets (NN) could be used to help optimizing clinical diagnosis and clinical protocols



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- “Small” PROBLEM: 1998 ALL patient clinical data records were recorded in **PAPER !!!!!**

**There were NO
electronic medical records of patients !!**





GOAL:

Replace **Paper** Clinical Records → **Electronic** Clinical Records
in all hospital areas



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To find the "key questions" and develop critical thinking in order to solve complex problems in a creative and optimal way

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- Modeling healthcare processes and integrations to replace paper circuits by electronical ones
- Being competent in analyzing & establishing priorities in tasks



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Specify functional requirements of a new information systems . Deploy them...



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Without patience, adaptability and perseverance is impossible to introduce a new information system in a hospital



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FMI: Future of jobs – 2020

Skills: 1, 2, 3

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COMMITTED TO
IMPROVING THE STATE
OF THE WORLD

Global Challenge Insight Report

The Future of Jobs

Employment, Skills and
Workforce Strategy for the
Fourth Industrial Revolution

January 2016



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Celebration
YOND IFAE



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IFAE: you are aligned with the future !!!



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IFAE

**Martine
Bosman**

**Anna
Pascual**

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Congratulations Everyone @IFAE !!

BEST WISHES for the following 25 years !!!!!