

Computer Supported Education

The Human Factor

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Abstract: Within the Computer Supported Education (CSE) there are three interesting trends observed. The first one is the conscience that the technical specialisms are becoming increasingly important. New technologies and the emergence of Mobile, Cloud, Continuous Integration & Deployment allow educators with practical hands-on knowledge and experience to be decisive for the success of CSE projects. On the other hand, it has changed the way we work together with each other. The necessity to have agile replies to the demands of the education stakeholders, to communicate and take responsibility, demands the critical thinking, the exchange of information and the flexibility being more and more the decisive success factors. These stakeholders are increasing creating a CSE team that consists of individuals more than ever with their own specialty and own drivers. In addition, the time-to-market of the technology is getting shorter and is strongly dependent on the costs in the current economic climate. All three trends converge to the manager. As a result, it is noticeable that you have to demonstrate the added value of your part in the CSE team, you must make results visible and under high pressure. How do you do that? Why is man such an important factor? What do you do with the man in your team? How do you put people in their strength and you create a work environment in which everyone comes into its own?

BRIEF BIOGRAPHY

José Carlos Quadrado is the full professor with tenure of electrical machines in the electrical engineering and automation department of the Instituto Superior de Engenharia de Lisboa (ISEL), Portugal.

Currently he holds the position of President of ISEL since 2006.

He has a BSc in Energy and Power Systems, a diploma degree in Electrical Engineering, Automation and Industrial Electronics from ISEL, a MSc and a Doctor degree in Electrical Engineering and Computers from Lisbon Technical University. He also holds the Habilitation degree (Aggregation) in Electrical Engineering from Beira Interior University.

Holds the position of President of the International Federation of Engineering Education Societies (IFEES) and the position of immediate-past president of the Ibero-American Engineering Education Association (ASIBEI), and he is also the immediate past vice-President of the European Society for Engineering Education (SEFI). Former member of the National Bologna Expert Group, he

leads the Portuguese Observatory on European and Latin-American University management strategy best practices and the national association of engineering rectors and deans.

Being a member and senior member of several engineering societies and engineering education societies in several continents, he is also a visiting professor in several universities around the world and board member of technological societies.

He holds over 100 international publications (including journals and chapters of books), several patents and some international technical prizes and scholarships, and also held the position of editor and editor-in-chief in some journals. Up to now he has also developed several international engineering projects in the fields of renewable energy, fuel cells, electrical vehicles and intelligent control.