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Agustin Argelich

Argelich Networks, Spain

Healthcare digital transformation: How to lead it?

The human body only has one unified communications system, the nervous system to send information to our brain. After the information has been processed, it sends instructions to any part of the body to act. In a similar way, new IP converging networks using IP protocols allow only one wire and wireless network to be implemented to transmit voice, data, video and control signals from anywhere in the hospital to a patient anywhere in the data centre. After it is analysed and processed, the information is sent to the person who can make the right decisions. Digital broadband infrastructures also allow critical resources to be shared between distanced hospitals and tele-assistance (e-health) to be implemented at homes. The digital hospital is where a patient is no more walls. Digital solutions and tools not only optimize investment, but also reduce the on-going cost of ICT infrastructures (hard \$). However, what's more important is that it allows productivity and the efficiency of all hospital and healthcare systems procedures (soft \$) to be continuously improved. The implementation of unified communications and collaboration (UC2) tools in healthcare means introducing new methods of communication as an additional element in the work flow of hospital procedures to make them more efficient, i.e., the task is performed properly and successfully without wasting time or energy, reducing late deliveries and human errors introduced by manual or poorly automated procedures. Highly talented human resources, doctors and nurses are scarce and very expensive, therefore any digital tool that can help them to be more efficient is essential. Implementing digital transformation in healthcare is simply indispensable. How can it be done? Do's and Don'ts and what are the best practices and lessons learned?



Recent Publications

1. Analyze, Act, Advance: Reflections and cutting-edge strategies to build in your life, your family, your organization, and your community a virtuous cycle of hope, innovation, renewal and continuous improvement. IDSN: 978-84-606-6139-9.
2. IP converging networks essential in Healthcare. International Federation of Hospital engineering Digest 2011.

Biography

Agustin Argelich is Telecom Engineer and Professor at Lleida University. He is the Author of "Analyze, Act, Advance", a book about how to build a virtuous cycle of hope, innovation, renewal and continuous improvement. He is the Principal Consultant of Argelich Networks, which is an independent digital technology and management consultancy boutique which was founded after the Barcelona'92 Olympic Games, when he was one of the Youngest Project Leader as Technological Director of the IX Paralympic Games. Before Olympics, he worked as Telecom Manager in Asco Nuclear Power Plant and served as Lieutenant in Spanish Air Force. For 30 years, he has been leading significant digital technology projects for business and for public organizations. He is an expert in unified communications and collaboration. He is also a Proud Member and Past Vice President of the society of communications technologies consultants international. He is also a recognized international speaker.

aac@argelich.com