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July 19, 2006

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Pablo Rodriguez Rodriguez, Research Scientist

Pablo Rodriguez Rodriguez

The technology revolution is only beginning, and **Pablo Rodriguez Rodriguez** is doing his part to find the next breakthrough. A **Research Scientist at Microsoft Research**, this **34-year-old** native Spaniard is exploring ways to improve Internet and wireless communications throughout the world and distribute lots of data to lots of users. The outcome will, among other things, make access cheaper and faster in remote parts of the world. It's an exciting prospect for this inquisitive mind and travelling the world exchanging ideas with other forward-thinkers keep Pablo striving to better the lives of all. Find out more about his work in this week's Young & Professional Profile.

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THE BUSINESS 411

About the company

Microsoft was the first software company to create its own computer science research organization - Microsoft Research. There are now 5 labs across the world: Cambridge, United Kingdom; Beijing, Asia; Bangalore, India; Silicon Valley & Redmond, United States. Microsoft Research is the part of Microsoft that focuses on long term innovation and research. We take on a variety of projects, from contributing to thrilling XBOX distributed games, to developing the next generation Peer-to-Peer networks, creating super-fast long-reaching Wireless communication systems, and looking at how Biological systems can be used to improve computing and vice versa.

Most of our work is geared towards advancing the state of the art in the areas of computer science and telecommunications. We spend a large amount of our time doing research, presenting our work in conferences and making it publicly available, exchanging ideas with other researcher centers and universities, etc.

We also spend a fraction of our time brainstorming with the product groups in Redmond, which provide us with continuous research challenges and new directions to submerge into.

What are your responsibilities?

My main responsibility is to do leading research in areas of Internet communications, Wireless systems, and very large and complex distributed networks.

Largely, I work on mechanisms that work behind the scenes on

resumé

Company

Microsoft Research

Website

www.research.microsoft.com/~pablo

Name

Pablo Rodriguez Rodriguez, 34, Research Scientist

Hometown

Asturias, Spain

Current residence

Cambridge, United Kingdom

Education

Swiss Federal Institute of Technology, Lausanne (Ph.D.)
 King's College, London (M.S. Thesis)
 Telecommunications Engineer, Pamplona, Spain (M.S./B.S.)

Other jobs

2003-present Microsoft Research
 2002-2003 Bell-Labs, New Jersey
 2000-2002 Two different Silicon

BACHELOR'S DEGREES

Bachelor of Science in Business/Accounting

Bachelor of Science in Business/Admin.

Bachelor of Science in Business/Marketing

Bachelor of Science in Criminal Justice Admin.

Bachelor of Science in Health Administration

RN to Bachelor of Science in Nursing

NEW Bachelor of Science Communications

MASTER'S DEGREES

Master of Arts in Education

Master of Business Administration

Master of Science in Nursing

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the Internet to prevent it from melting down under extreme loads (e.g. flash-crowd events), and under severe forms of cyber attacks.

I am also responsible for designing solutions to distribute vast amount of digital content to millions of users, enabling an on-line, "always-ON" VCR system that archives all digital content and makes it accessible from anywhere in the planet.

Valley startups, California
 1997-2000 Institut Eurecom, Nice, France
 1999 AT&T, Shannon Lab. Florham Park, New Jersey

 Ethnicity
 Spanish

Most notable milestones

I received the French "Prix de la Recherche" in year 2000 and was awarded the category of "Extraordinary Scientist" by the US government on the same year.

What's your niche?

I have worked in California, New York City, Nice (France), London (UK), and Spain.

I am the only Spanish researcher at the European Microsoft Research Lab, and one of three Spanish Microsoft researchers world-wide.

Being Latino has always helped me, e.g. in leading projects, bridging different cultures, bringing people together, having passion on your everyday work, and putting a smile to everything.

Microsoft Research is also undoubtedly the best place for doing research in computer science in the world right now, and that always helps.

What's in store for the future?

This summer I am organizing a conference in Pisa, Italy that will bring experts all over the world to discuss the impact that Peer-to-Peer applications can have in the way we watch television.

On the research front, I will soon dive into a project to provide software that makes Internet access cheaper in remote locations. The project will provide optimized communications through the creation of wireless mesh networks, whereby neighbors forward one another's data and cooperate to extend the range of wireless Internet connectivity and boost their Internet speeds. Such software should significantly improve people's living in remote areas and rural neighborhoods so they do not miss the Internet revolution.

Unexpected learnings along the way
 Joy in life is in the every day's little details.

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CONNECTIONPOINT

Want to get in touch with Pablo Rodriguez Rodriguez?

It's not enough to just read about what young, driven, and forward-thinking individuals are doing out there. It's important to connect with them! Go ahead and send our profilee a quick email to say hello! If you have a question, want to give kudos, or just want to drop them a line - we encourage you to reach out!

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