

IBM Video Transcript

Biometaphorical Computing:

Charles Peck:

Understanding the brain has the potential to have a greater impact on society than anything we have ever done.

What is biometaphorical computing?

Charles Peck:

Biometaphorical computing is cool because it provides insight into how humans solve problems. And allows us to apply that understanding to solve problems we all share.

Ajay:

There is some physics and chemistry that you have to understand when you think of biological entities and objects but more important is the information that is exchanged. So biology is actually an information sites.

Paul Horn:

You take some biological metaphor and you use that as a concept to how you make either a computer or a compute system or a network.

Paul Horn:

One of the most interesting ones, we like to call “autonomic computing.” Autonomic computing is having a compute system basically do many of the things that the autonomic nervous system does. And what the autonomic nervous system does is it self corrects and self heals and self regulates. And it allows those skills and people to work on harder problems – problems that have more company and societal impact.

Charles Peck:

One of our objectives is ultimately to take this understanding of the principles of global brain function to develop technologies that operate according to these same principles and then apply that to solve the problems of IBM’s customers.

Paul Horn:

Only IBM can bring that breadth of skills, deep biological knowledge, the ability to model super computing together with a long range focus to solve a problem that hard.

Charles Peck:

IBM is open to new ideas and open to new insights. And they are willing to dedicate resources to turn those insights into opportunities and solutions. That’s pretty cool.