**Increasing Importance of Coordination and Decision Making**

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Our world is quickly shifting from explicit (verbal) world to tacit (nonverbal) world. Let me take swimming as the best example. We cannot verbalize the outside world. Water is continuously changing its behavior and we cannot verbalize how we balance our body.

In fact, how we coordinate our body parts and balance our body is still not clarified. It is still a big challenge in physiology. But we can balance our body and we can swim.

If we look at our environments, we are in the midst of a wide variety of information. We need to swim in this water of information. The outside world is changing continuously, and we cannot predict its behavior. So, we need to coordinate these pieces of information to make a balanced decision making to adapt to this rapidly changing outside world

It is pointed out in this talk that if we introduce Mahalanobis Distance and represent multidimensional information as a pattern, we can compare our swimming manner, and make an adequate decision how to adapt to the changing situation, because it enables us to understand how much better we are doing this time with unitless and quantitative measure.