

## **Cosmos Network: Internet of Blockchains**

### **Abstract:**

I will begin the presentation by giving an overview of Cosmos Network ecosystem. I will explain how Cosmos Network solves scalability and interoperability challenges, and will also discuss some common misconceptions.

Cosmos Network is an ecosystem designed to solve interoperability and scalability. I will explain the components of Cosmos, including the PBFT consensus engine (“Tendermint”), which is resilient to fault tolerance, and provides high security and high throughput (“TPS”). Further explanation will illustrate that the Cosmos Network ecosystem does not only provide vertical scalability, but also brings the concept of horizontal scalability into play, by introducing application-specific blockchains. The first public blockchain was launched as Cosmos hub in the ecosystem, developed using the Cosmos SDK. An overview of Cosmos SDK modules will help the audience to understand how easily one can develop an application-specific blockchain.

More focus will be given to the discussion on interoperability. I will explain how Cosmos enables blockchains to connect with one another and work together by utilizing a new protocol called Inter-blockchain Connect Interface (“IBC”). The community is developing standards for IBC, and currently, five IBC proposals and implementations are in progress.

I will conclude with an overview of existing projects/applications based on the Cosmos Network ecosystem.