



## **Dr. Paromita Deb**

ETH Zürich / Swiss Geo Energy

### **Education/studies**

- PhD - Thesis - Resource Assessment and Performance Prediction in Unconventional Geothermal Reservoirs
- M.Sc - Applied Geophysics
- B.Sc. - Geology

### **Details of current professional position**

- At the time of submitting the abstract, she was in the position of a Senior Researcher at Geofluids and Geothermal Energy Group, ETH Zürich. During the conference, she will be in the position of Project Manager at a company called Swiss Geo Energy, Geneva

### **Details of current projects**

- She will talk about DEPLOI the HEAT-CH project, which investigates the novel Directional Steel Shot Drilling technology through field studies and numerical models. The Directional Steel Shot Drilling technology of Canopus Geothermal company is expected to be able to create multiple long drainage holes in any desired direction entirely within a reservoir, thereby boosting the reservoir contact and the well productivity of open loop geothermal systems by a factor three. The technique is also a potential low cost solution for creating the long multilateral structures required for (ultra-)deep closed loop geothermal systems