**Sf-P006** Room: Poster Time: June 10 17:30-19:30

## AE monitoring using Hydrophone

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At the start of AE monitoring in highly crushed fault zone, we will be in difficulties in installation of AE sensor. Taking account of the fact that the quality of measurements is affected by the conditions of mounting AE sensor, the installation procedure is very important factor in AE monitoring. So, we tried to make a solution for difficulties and limitations of the installation of AE sensor by adopting hydrophone as AE sensor, and performed laboratory experiments and in situ measurements. From the result of in situ measurements in the center of highly crushed zone near the main Mozumi faults, two events were observed during overnight observation. The results of experiments and measurements suggest that hydrophone is a useful tool for AE monitoring in a highly crushed fault zone.