

Fine Grained Energy Accounting on Smartphones with Eprof

In environment of smartphone, there are several problems to analyzing energy consumption. Especially, asynchronous properties are the main issue. According to authors, the power from specific applications is generated continuously after that applications are done. Those strange phenomenon is came from IO jobs mostly. So They implemented a tool called 'eprof' and provided analysis of smartphone's power consumption with application used popular. Also, to showing about per entities power consumption of smartphone, they developed accounting presentation. Thanks to the supporting those tools, authors address that many developers of smartphone application will easily implement their application to energy efficiency.