

# ICHQP 2022

20<sup>th</sup> International Conference  
on Harmonics and Quality of Power  
Naples, Italy, May 29<sup>th</sup> - June 1<sup>st</sup> 2022



## SPECIAL SESSIONS

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### Session Title

Power Quality Data Analytics: A New World of Applications

### Abstract

Power quality data analytics is the discipline specialized in collecting waveform-based power system data, extracting information from disturbances, and applying the findings to solve several power system problems such as: power quality, power system protection, equipment condition monitoring, network condition monitoring, and network performance enhancement. In this special session, five experts will discuss potential applications covering different areas such as applications of synchronized waveform data, voltage sag identification, identification, location, and remediation of incipient faults, detection of high impedance faults, and harmonic resonance in wind parks.

### Chair

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