

# Korea-EU Horizon Europe Researchers Networking Forum on Energy & Advanced Mobility

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• **Professor**

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• **Battery & Fuel cell**

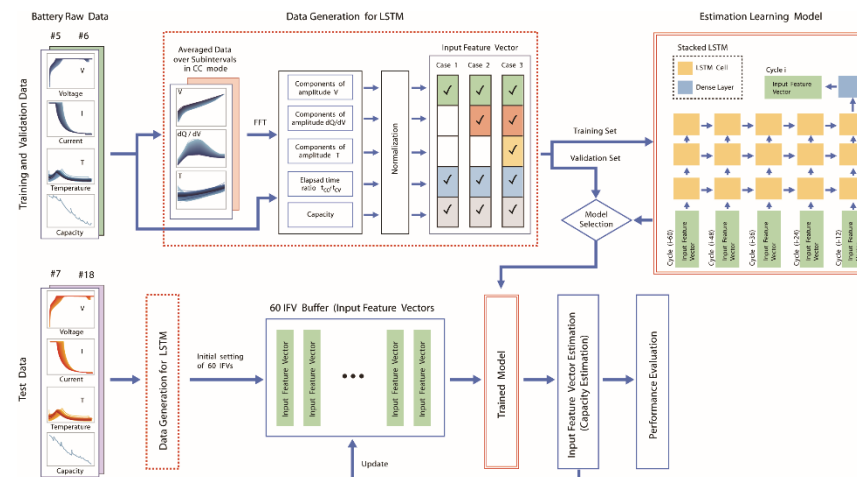
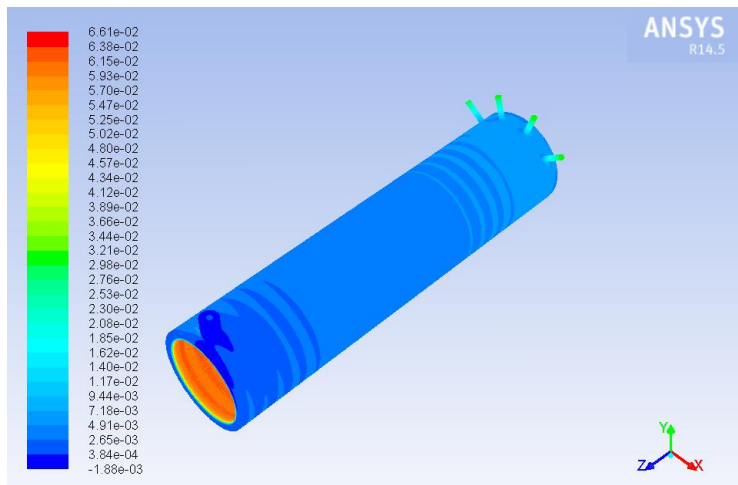
# 1. Expertise & Participation

## Battery

Profile: 25 years experience on Li-ion batteries (2000 ~) / Strong network with battery companies and institutes

Participation:

1. CFD-aided reactor (such as pyrolysis, Taylor-Couette, etc) optimization for NMC recycling or material production
2. AI-based SOH & RUL prediction for battery (direct-) recycling



# 1. Expertise & Participation

## Fuel Cell

Profile: 30 years experience on Fuel Cell research (1993 ~)

Participation :

1. CFD-aided SOFC (or SOEC) stack optimization
2. AI-based degradation & lifetime prediction

