

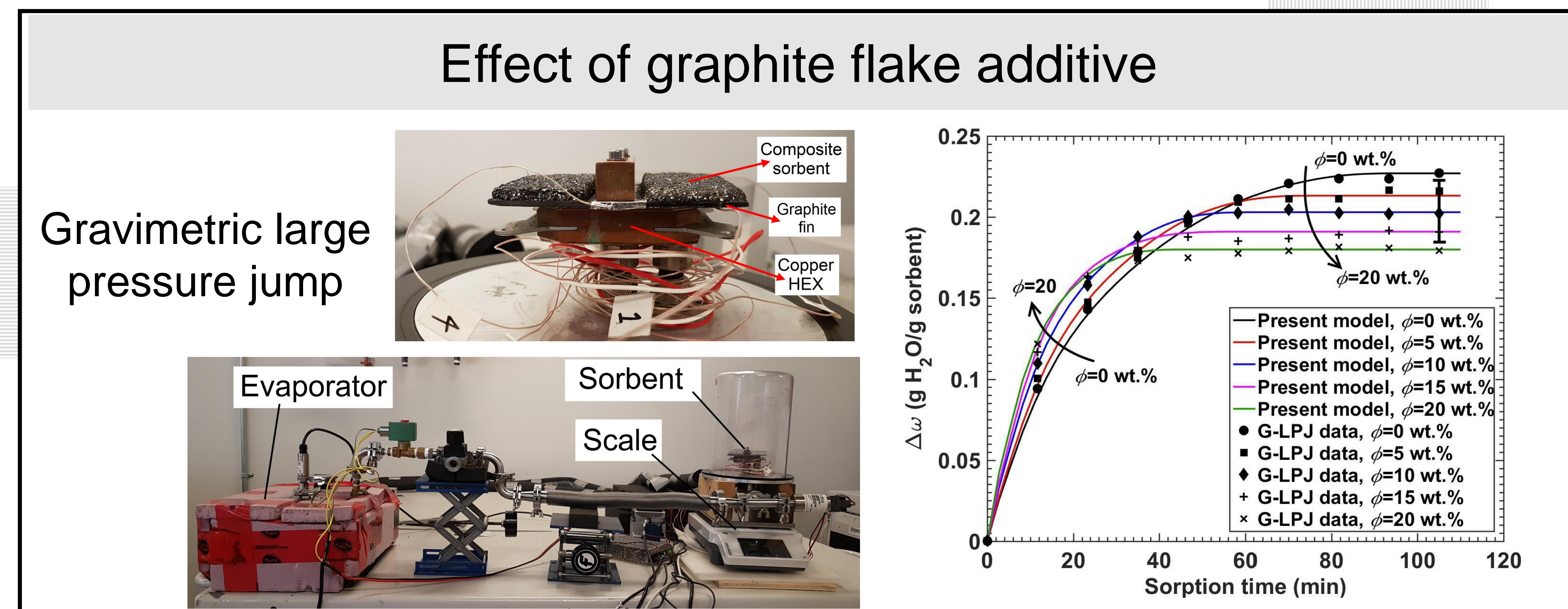
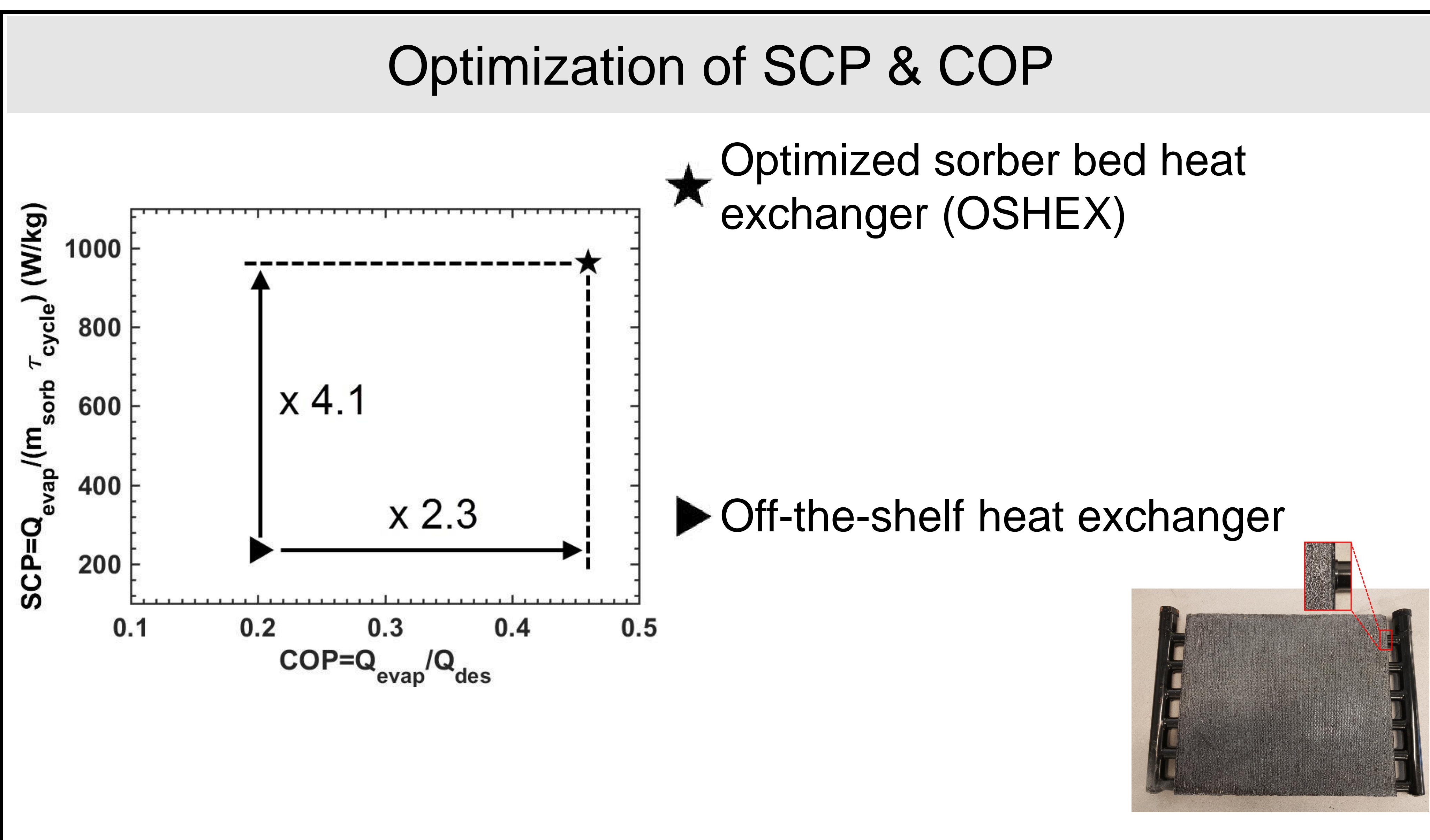
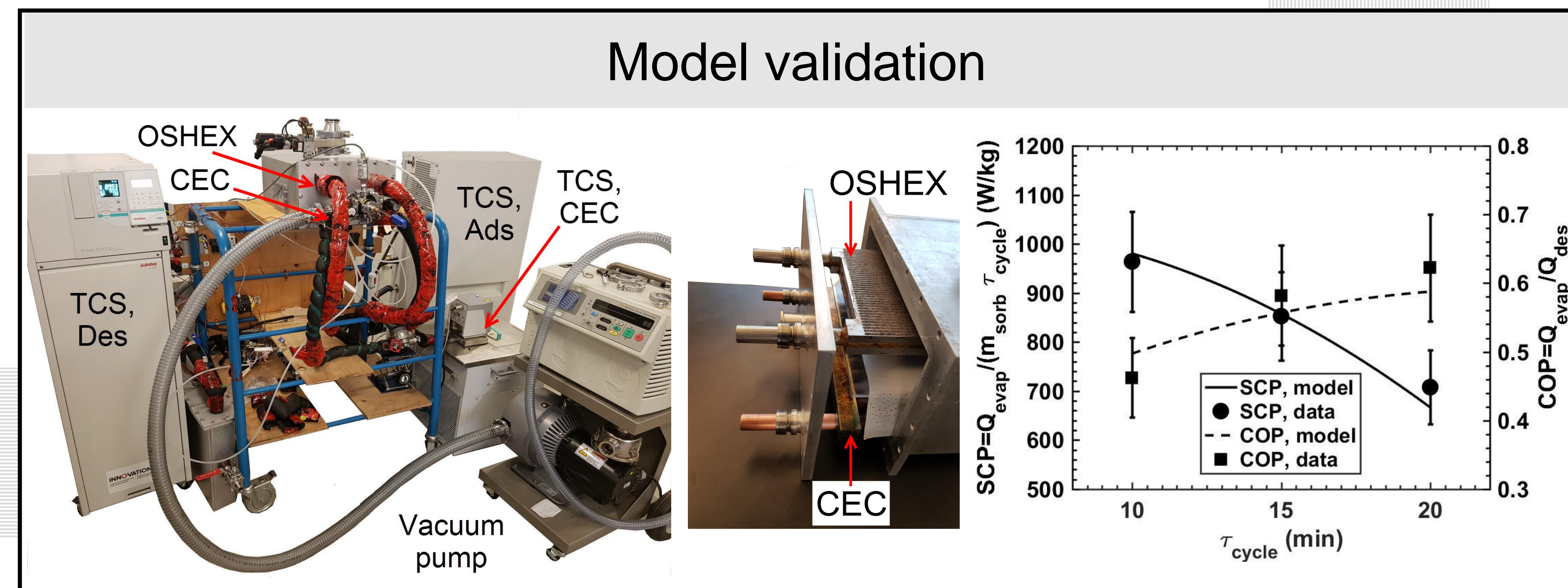
Analytical model

$$\frac{\partial \theta_i}{\partial Fo} = \mu_{i,\eta}^2 \frac{\partial^2 \theta_i}{\partial \eta^2} + (\mu_{i,\xi} \delta)^2 \frac{\partial^2 \theta_i}{\partial \xi^2} + g_i(Fo)$$

$$\theta(\eta, \xi, Fo) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} X_n(\eta) \psi_{nm}(\xi) \Gamma_{nm}(Fo)$$

- Run-time=1.5 min on a 3.4 GHz PC
- Temperature and water uptake distribution

Sorption system performance



¹ Hesam Bahrehmand, sbahrehm@sfu.ca

² Majid Bahrami, mbahrami@sfu.ca