$$\begin{pmatrix} \theta_1 \\ \vdots \\ \theta_d \end{pmatrix} \xrightarrow{\text{DL Projection}} \psi(\theta) \longrightarrow \begin{pmatrix} \psi_1 \\ \vdots \\ \psi_n \end{pmatrix} \xrightarrow{\text{GP Surrogate}} \phi(\psi) \longrightarrow L(\theta)$$