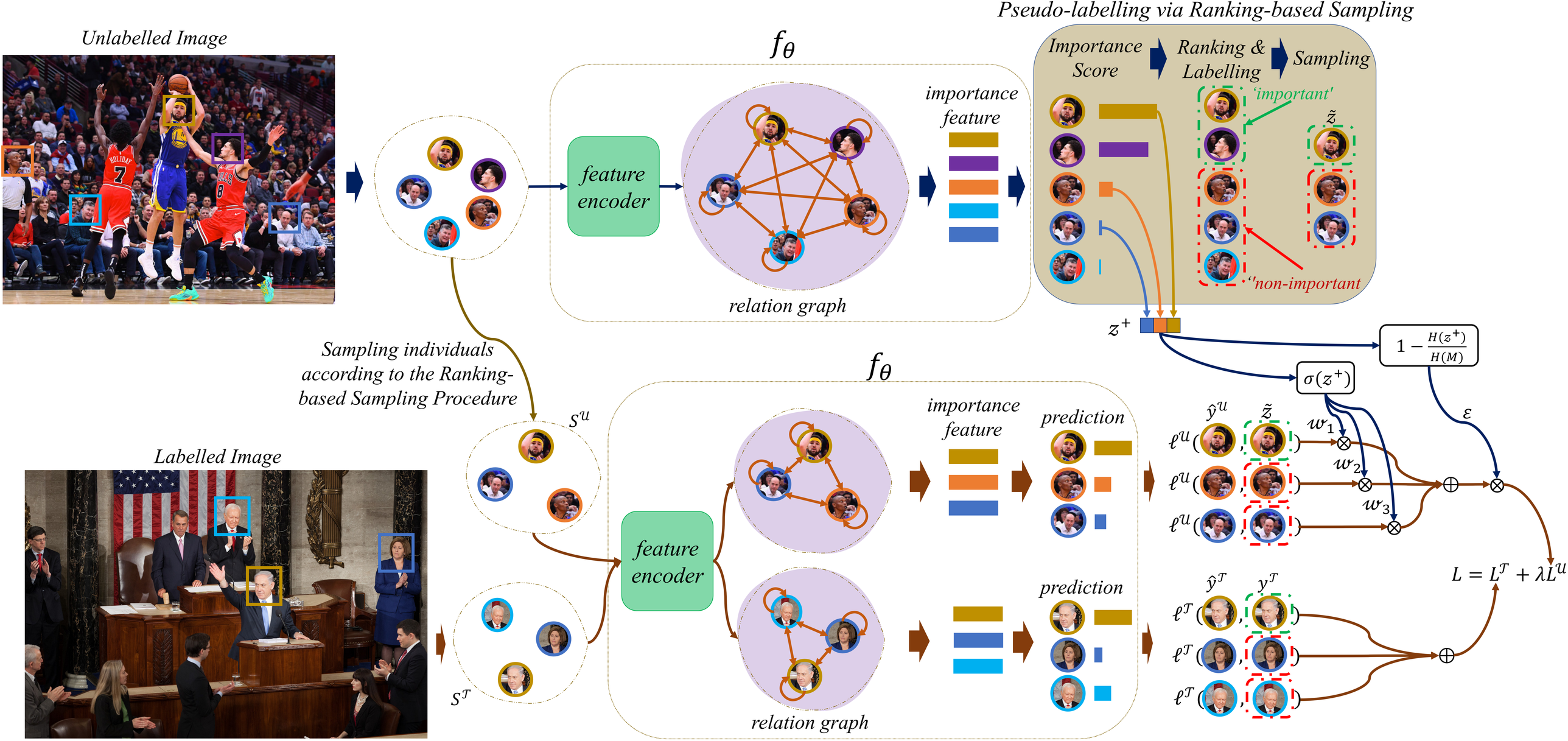
Unlabelled Image
f_θ
feature encoder
relation graph
importance feature
Pseudo-labelling via Ranking-based Sampling
Importance Score
Ranking & Labelling
Sampling
'important'
''non-important
$\tilde{z}$
z^+
$1 - \frac{H(z^+)}{H(M)}$
$\sigma(z^+)$
ε
w_1
w_2
w_3
Sampling individuals according to the Ranking-based Sampling Procedure
S^u
$S^{\mathcal{T}}$
Labelled Image
f_θ
feature encoder
relation graph
importance feature
prediction
$\hat{y}^u$
ℓ^u
$\hat{y}^{\mathcal{T}}$
$y^{\mathcal{T}}$
$\ell^{\mathcal{T}}$
$L = L^{\mathcal{T}} + \lambda L^u$