

PEER Hub Image-Net Challenge 2018 and ϕ -Net

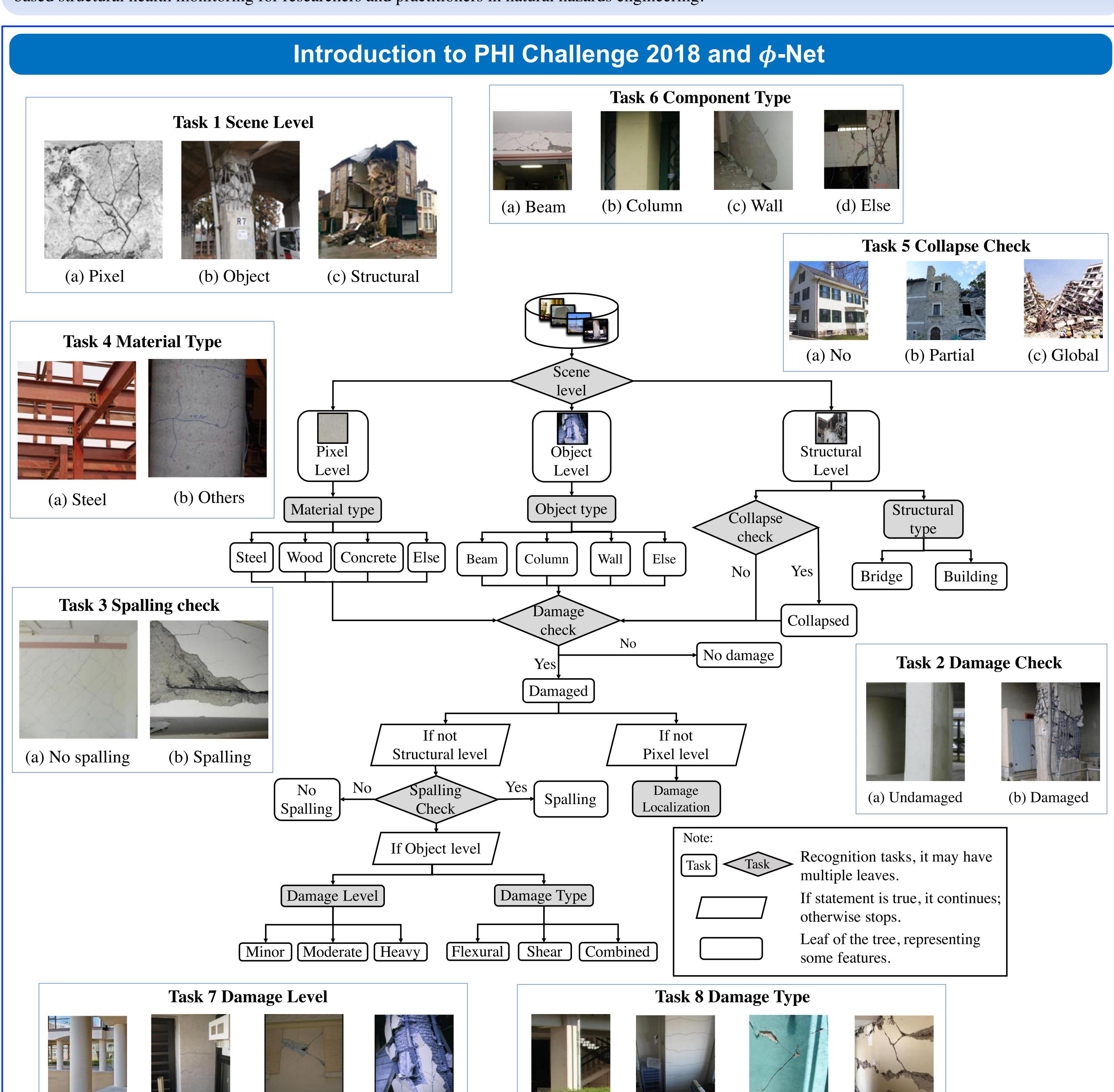


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Abstract

PEER (Pacific Earthquake Engineering Research Center) has developed the first structural engineering dataset that incorporates Machine Learning models of detecting and categorizing damage in images. The PEER Hub Image-Net (ϕ -Net) dataset tool will enhance the field and application of visionbased structural health monitoring for researchers and practitioners in natural hazards engineering.





(a) No

(b) Minor

(b) Flexural

(d) Combined

(c) Shear

(a) No

(d) Heavy

(c) Moderate