

THE MEMBRANE BEHAVIOR OF THIN CONCRETE PLATES REINFORCED WITH WELDED WIRE FABRIC SUBJECTED TO DYNAMIC LOADING



PIOTR MICHALIK MCE'17
ADVISOR: PROF. JAMEEL AHMAD

This study aims to determine physical behavior of thin concrete plates reinforced with welded wire fabric subjected to dynamic loading. In particular, membrane characteristics of thin, composite concrete elements with steel mesh are analyzed and tested for use in facade applications. Experimental data show that such elements are suitable for facade applications since they exhibit membrane behavior and significant capability to deform and partially regain original shape without crack formation in concrete.

WORK SPACE **SHOWCASE**

THE COOPER UNION ANNUAL STUDENT EXHIBITION
ACADEMIC YEAR 16/17