

UNIVERSITA' DELLA CALABRIA
DIPARTIMENTO DI INGEGNERIA CIVILE

*Dottorato di Ricerca in Scienze e Ingegneria dell'Ambiente,
delle Costruzioni e dell'Energia.
Ciclo XXIX*

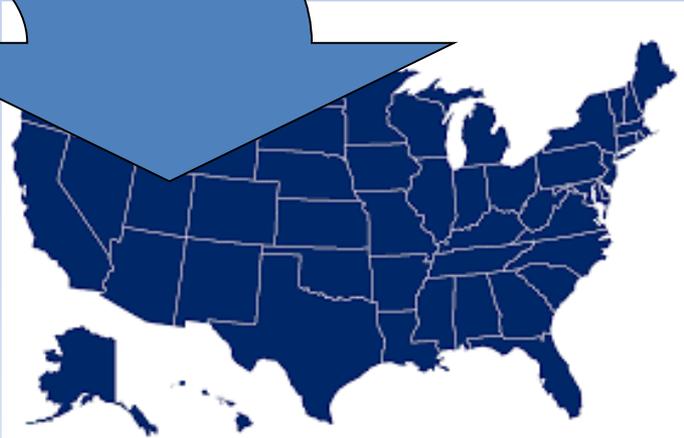
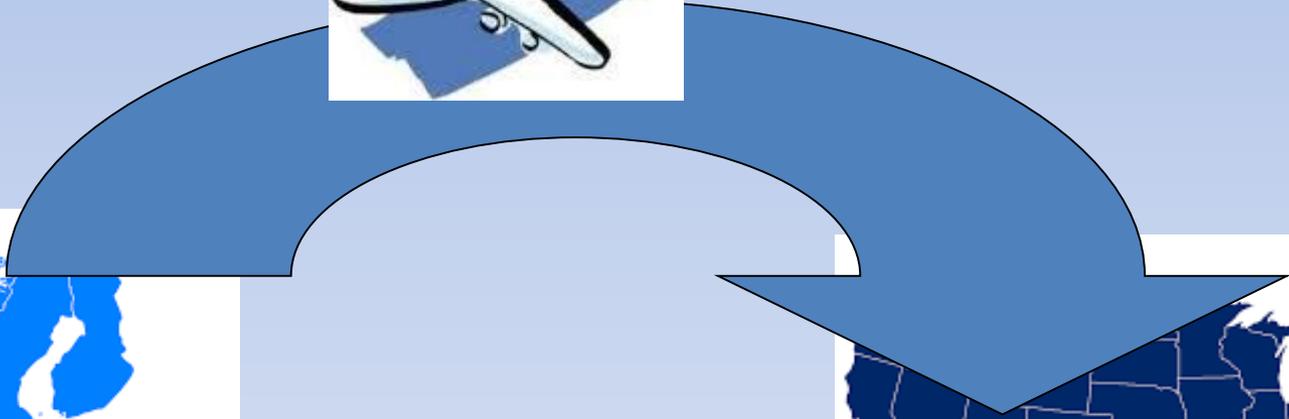
**Problemi d'Interfaccia Calcestruzzo-Rinforzi
Fibrosi a Matrice Cementizia.**

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Ph.D. Student:
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MISSOURI
S&T



Tipologia di Test Adoperato in Laboratorio

“DIRECT SHEAR”

“Setup Test”

**LVDT Frontali
“AVG”**



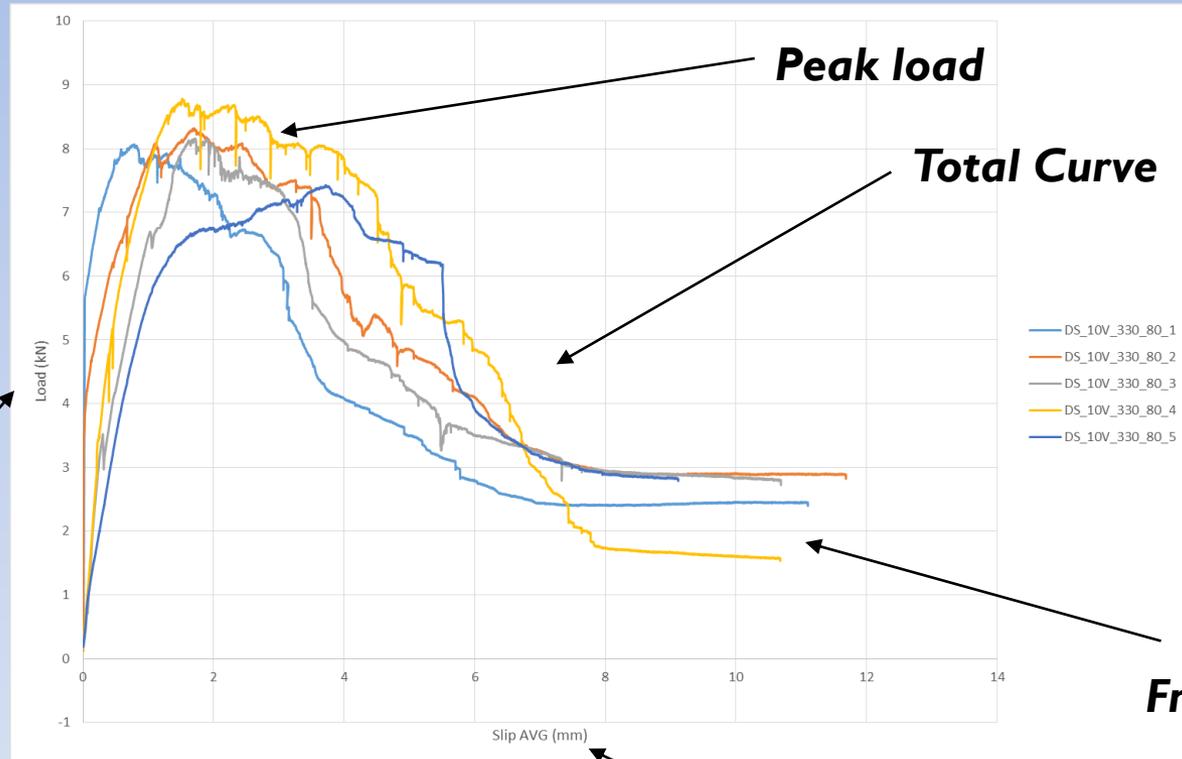
LVDT Back



Ruredil and KeraKoll

- **Varie lunghezze di bond tra cui 200, 330, 450 e 700 mm**
- **Mono e Bi-Layer**
- **Free End**
- **Load Rate**
- **Control Stroke**

“DIRECT SHEAR”



Load

Peak load

Total Curve

Friction

Slip AVG

Tipologia di Test Adoperato in Laboratorio

“Beam”



Cages

Stain gage



Beams



Tipologia di Test Adoperato in Laboratorio

“Beam”

“Setup Test”

“LVDT”

“LVDT”



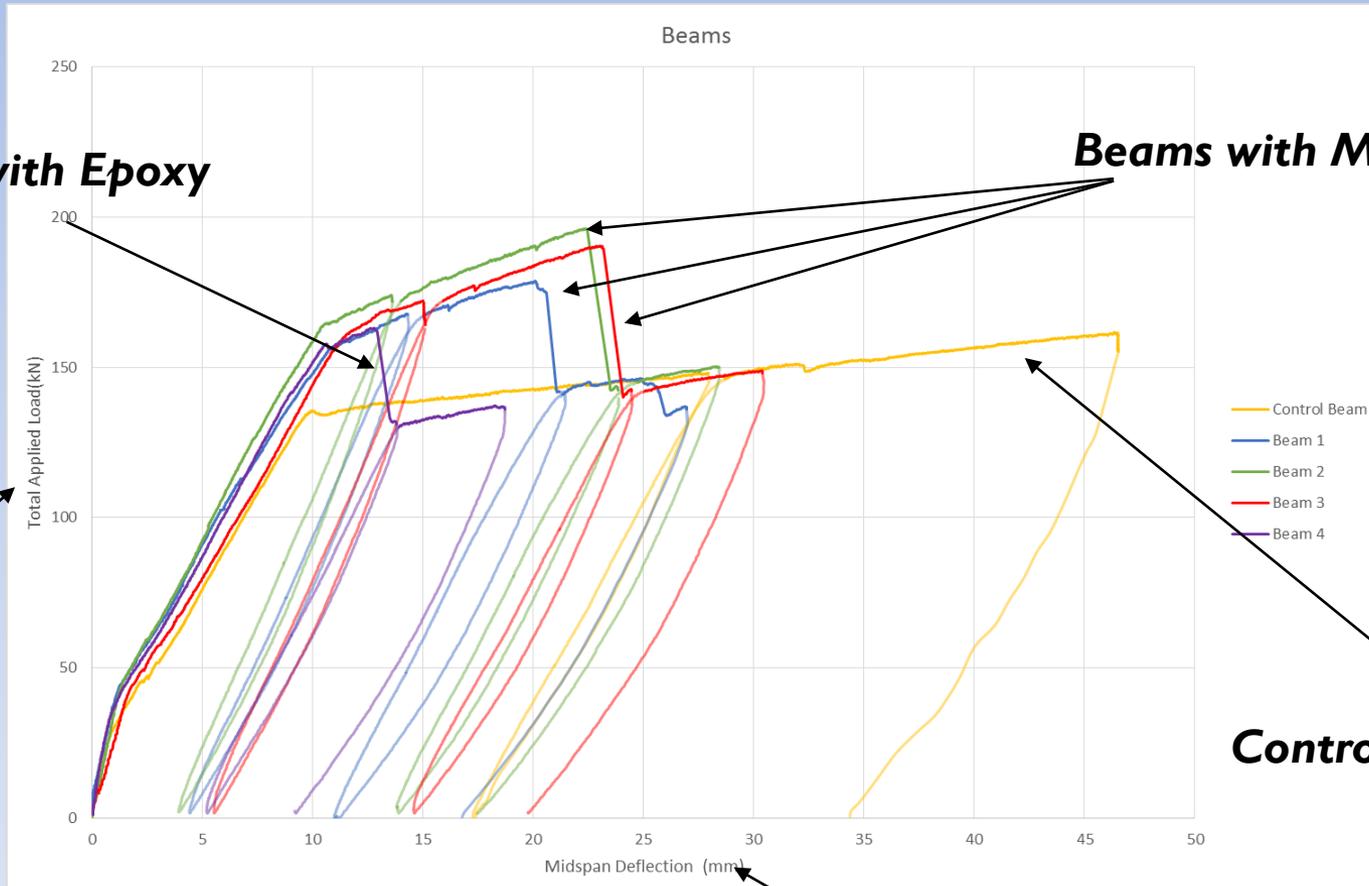
KeraKoll

- **n.1 Control Beam**
- **n.2 Beams Mono-Layer (Load Rate)**
- **n.1 Mono-Layer without external Layer**
- **n.1 Mono-Layer with Epoxy**
- **Frature of Mechanics (Concrete and Matrix)**

“Beam”

Beams with Epoxy

Beams with Matrix



Load

Control Beam

Mid-Span Deflection

Tipologia di Test Adoperato in Laboratorio

“Beam”



Damege in Mid-Span



Repair

Tipologia di Test Adoperato in Laboratorio

“Beam”



Formwork



U-Wrap

KeraKoll

- **n.1 Control Beam**
- **n.1 Beam Mono-Layer and U-wrap**
- **N.3 Beam Mon-Layer and U-wrap with Epoxy**

**GRAZIE
PER
L'ATTENZIONE**