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**Brad Stocking**

Director, Laboratory Testing

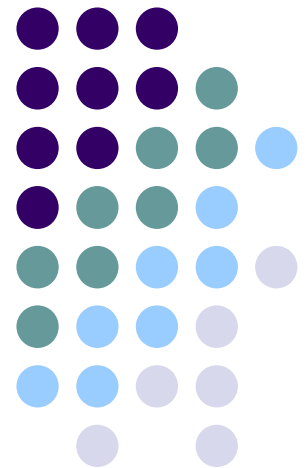
**Ceralink Materials Testing**

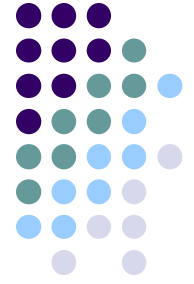
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**(740) 695-8851**





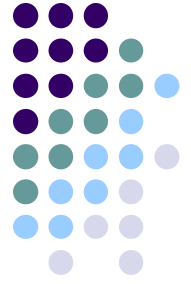
# Ceralink Offers

- Quality Materials Testing Services
  - Reliable results
  - Efficient, fast turnaround
  - ISO and Nadcap Accreditations
- Expert Materials Consulting



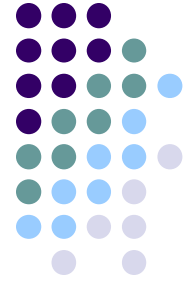
# Ceralink Ohio

## Premier Mechanical Testing Facility



- 4000 sq ft Lab with Temp & Humidity Control
- 23 test frames including 16 MTS Landmark Generation
- Servo-hydraulic systems capable from room temp to 2650 °F
- State-of-the art infrastructure with reliable uninterruptable power





# Materials Testing Services

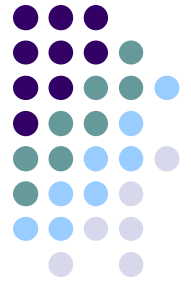
- Metals and MMCs
- Ceramics and CMCs
- Polymers and PMCs

## Example Tests

Tensile	Compression	Bend	Shear	HCF, Load Control	LCF, Strain Control
C297	C365	C393	C273	C1360	E606
C1275	C1358	C1161	C1292	C1361	
C1359	D695	C1341	D2344	D3479	
C1468	D1621	D790	D3528	E466	
D638	D3410	D6272	D3846	Dwell Fatigue	
D3039	D6641	D7264	D5379		
E8	E9		D7078		
E21	ISO 844		ISO 1922		
ISO 527			ISO 4587		



# Thermal Testing



## Thermo-Physical Analysis

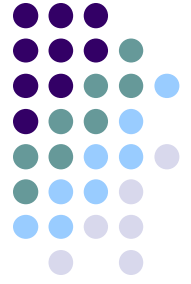
- Dilatometry (CTE)
- TGA/DTA
- DSC

## Thermal Ignition

- Separate building for burn testing
- Temp data, video recording
- Authorized personel



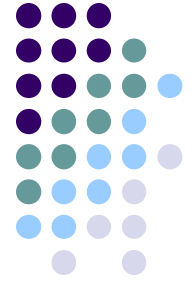
# Experienced Technical Staff



- **Brad Stocking: Lab Director & Quality Manager**
  - 20+ years testing experience
- Dr. Holly Shulman, Materials Scientist
- Patricia Strickland, Operations and Financial
- Mechanical Test Engineer CMC-PMC-Metals
- Senior Test Engineer 30+ year machinist-fabricator
- Technician and Administrative support



# Accreditation



- ISO/IEC17025:2005
- Nadcap AC7122-I, AC7101/1, AC7101/3
  - Zero non conformances
- Nadcap AC7101, AC7103 in process

**“This is the way a fatigue test lab should look”** *Nadcap Auditor*

