

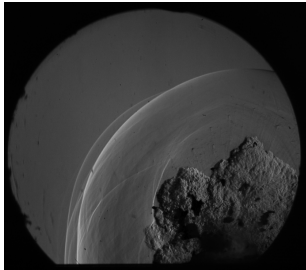
# High-Speed Digital Imaging Techniques for Blast and Impact Measurement

a hands-on short course at the  
**Energetic Materials Research and  
Testing Center (EMRTC)**  
on the **New Mexico Tech** campus  
led by Dr. Michael Hargather  
**July 18-21, 2022**



## Monday, July 18

Introduction to cameras  
High-speed camera tech  
Schlieren imaging  
Hands-on schlieren



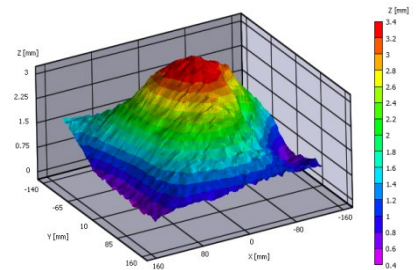
## Tuesday, July 19

Imaging explosions  
Shock wave visualization  
Fragment tracking  
Hands-on pipe bombs



## Wednesday, July 20

Impact response  
Digital image correlation  
Strain and deformation  
Hands-on 3D measuring



## Thursday, July 21

Image processing  
Digital streak images  
Participant applications  
Hands-on finale



Course location: Socorro, New Mexico

Registration: \$2750, A limited number of seats are available  
for this course, please register early

Participants: Technicians, academics, camera users, data  
analysts, commercial blasters, engineers,  
professionals, defense contractors, etc.

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Sponsors: Photron USA, Correlated Solutions Inc.,  
Northrop Grumman

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