Art in Digital Culture... Threat or Opportunity
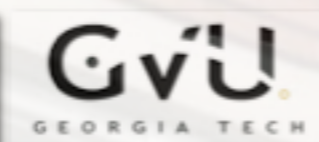
Irfan Essa
School of Interactive Computing
GVU & RIM @ GT Centers
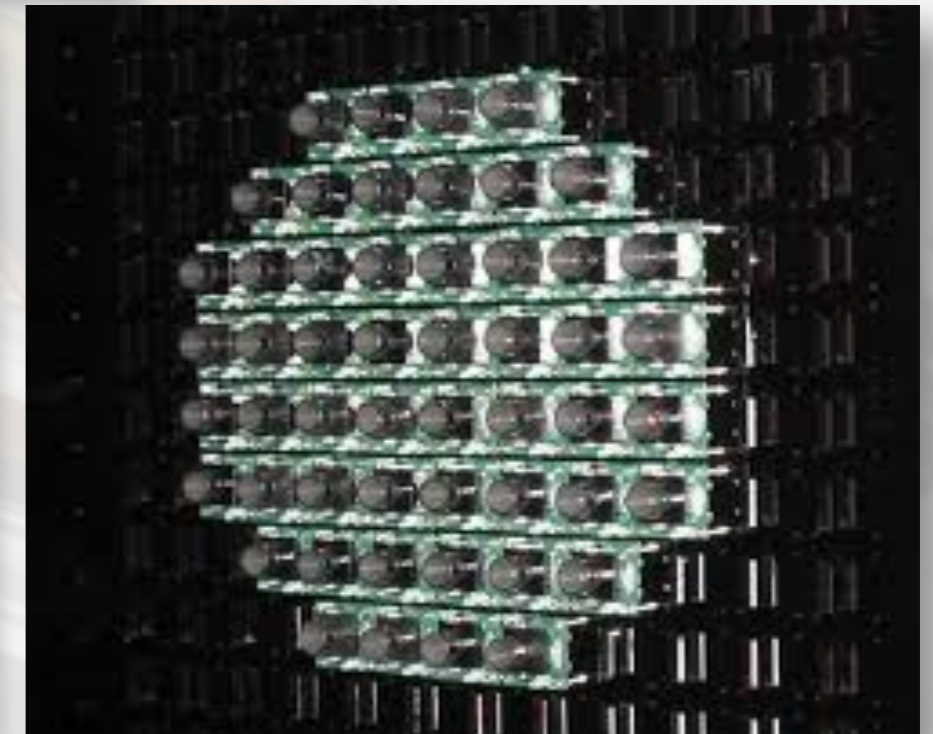Georgia Tech

http://prof.irfanessa.com

Georgia Tech · College of Computing · School of Interactive Computing

Computational Photography

Computational Photography

Computational Photography

Art of Photography
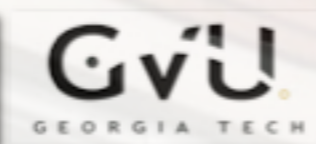
◇ Capture the light,

◇ Capture the moment,

◇ Be expressive

Art of Photography

Light

- Capture the light,

- Capture the moment,

- Be expressive

Art of Photography

Light

- Capture the light,
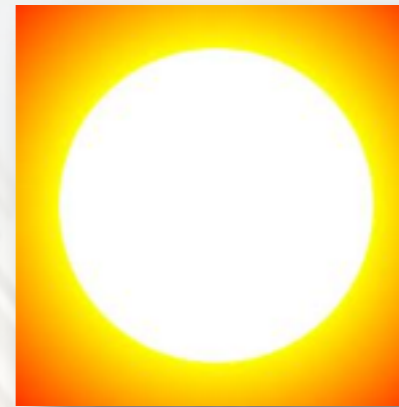
- Capture the moment,

- Be expressive

Camera

Georgia Tech | College of Computing
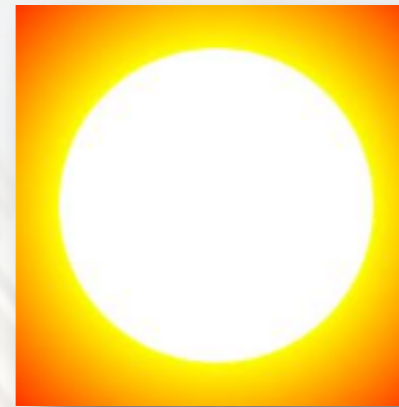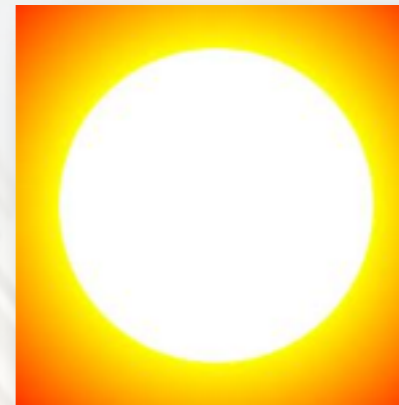School of Interactive Computing

Art of Photography

Light

- Capture the light,
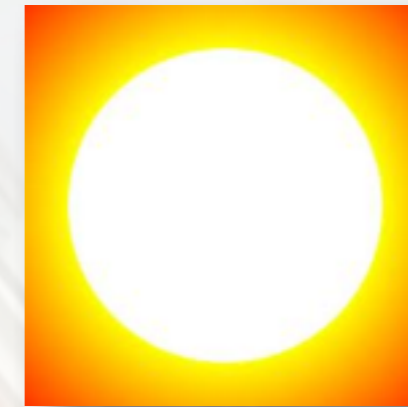- Capture the moment,
- Be expressive

Camera

Subject

3

Art of Photography

- ◇ Capture the light,
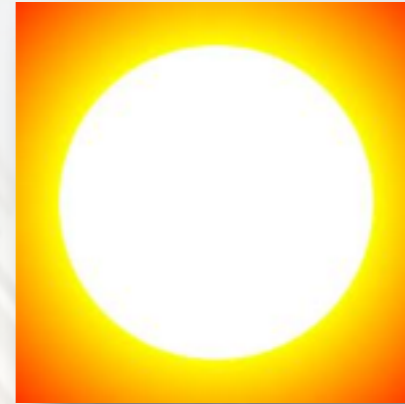- ◇ Capture the moment,
- ◇ Be expressive

Light

Camera

Subject

Photographer + Darkroom

Art of Photography

Light

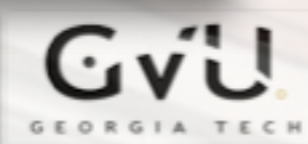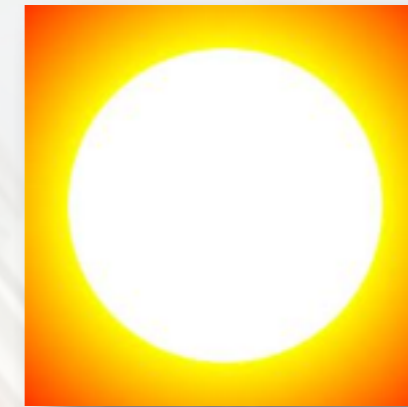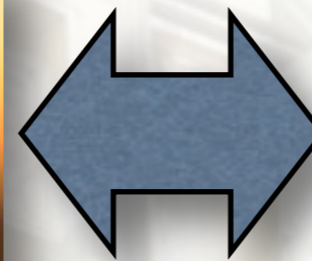◇ Capture the light,

◇ Capture the moment,

◇ Be expressive

Camera

Photographer + Darkroom

Subject

Audience

Georgia Tech
College of Computing
School of Interactive Computing

Art of Photography

◇ Capture the light,

◇ Capture the moment,

◇ Be expressive

Light

Camera

Photographer + Darkroom

Subject

Audience

computation+journalism

GvU
GEORGIA TECH

Robotics@GT
& Intelligent Machines

Georgia
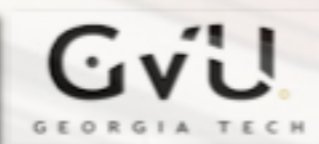Tech

College of
Computing
School of Interactive Computing

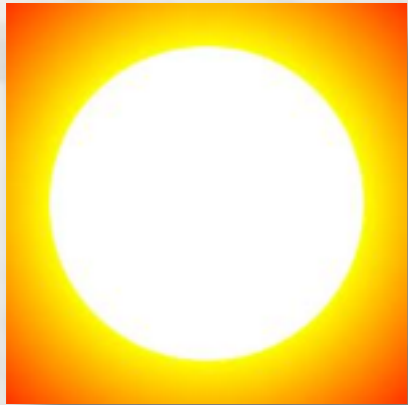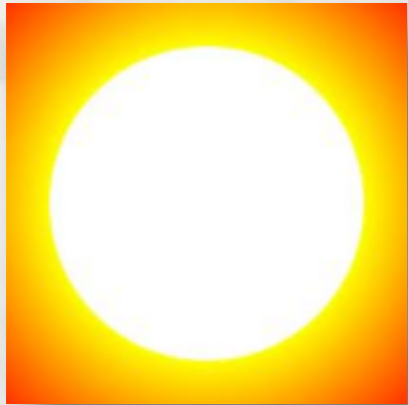# Workflow of Photography: Lights
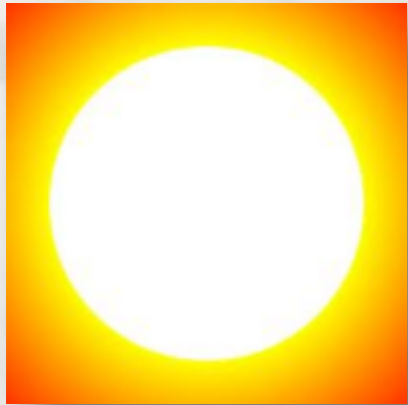
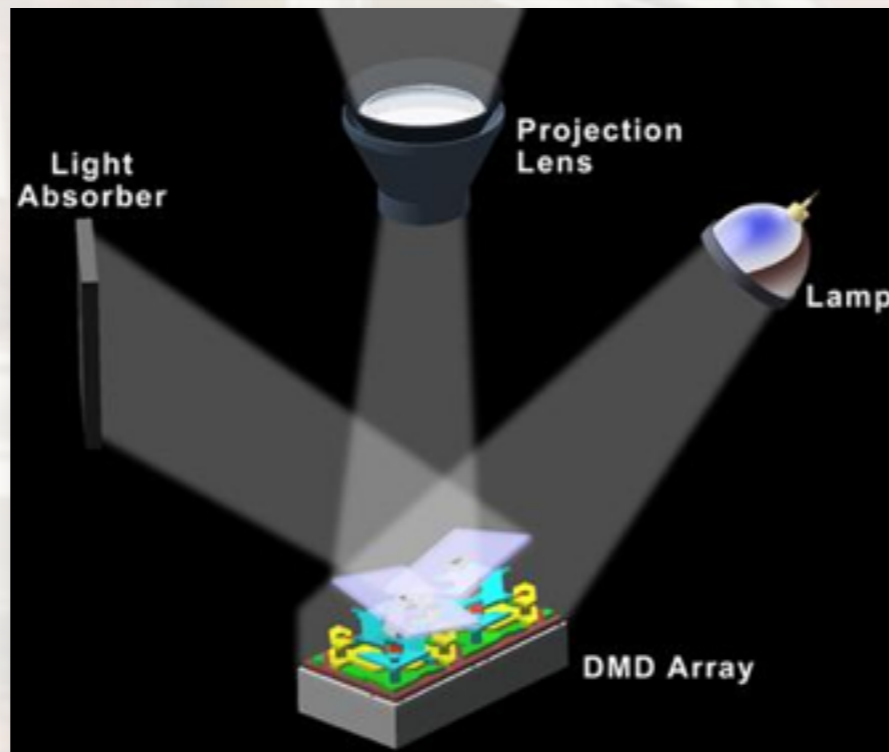# Workflow of Photography: Lights

Workflow of Photography: Lights

LightStage

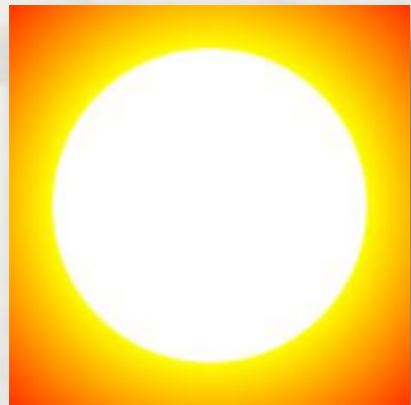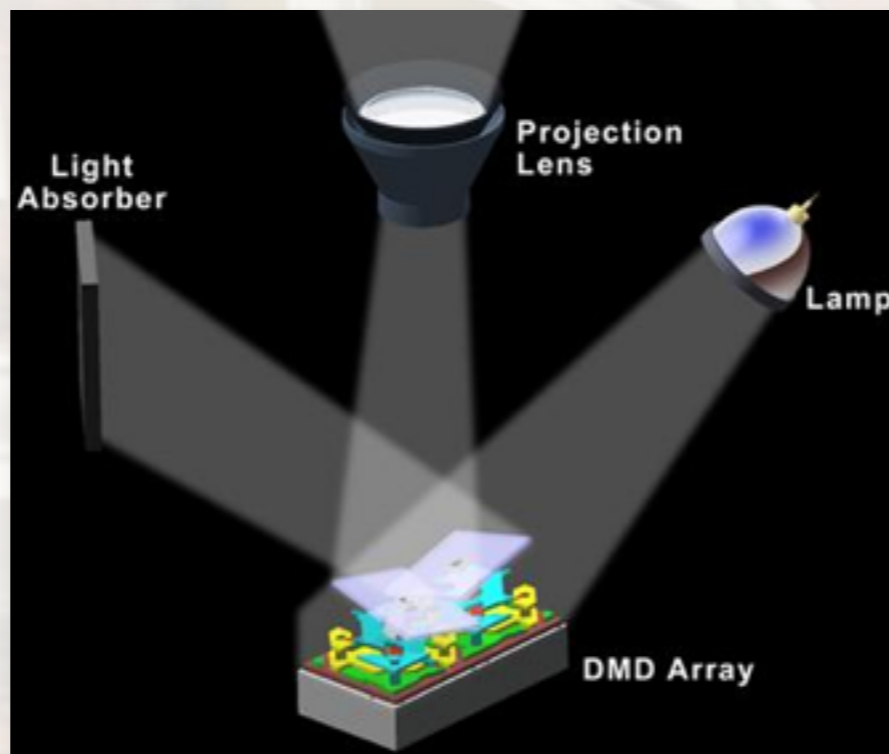# Workflow of Photography: Lights
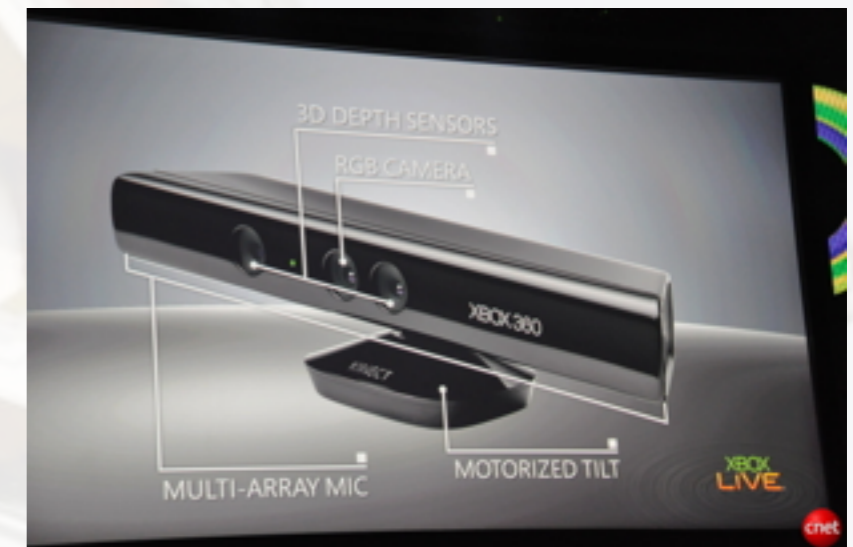

LightStage

DMD based Lights
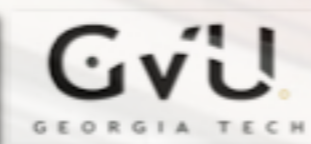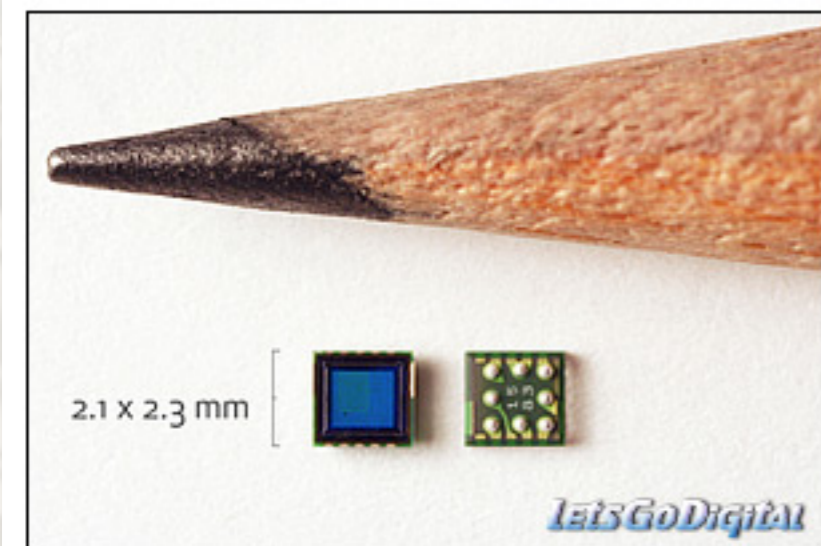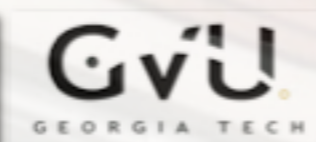
4

Workflow of Photography: Lights
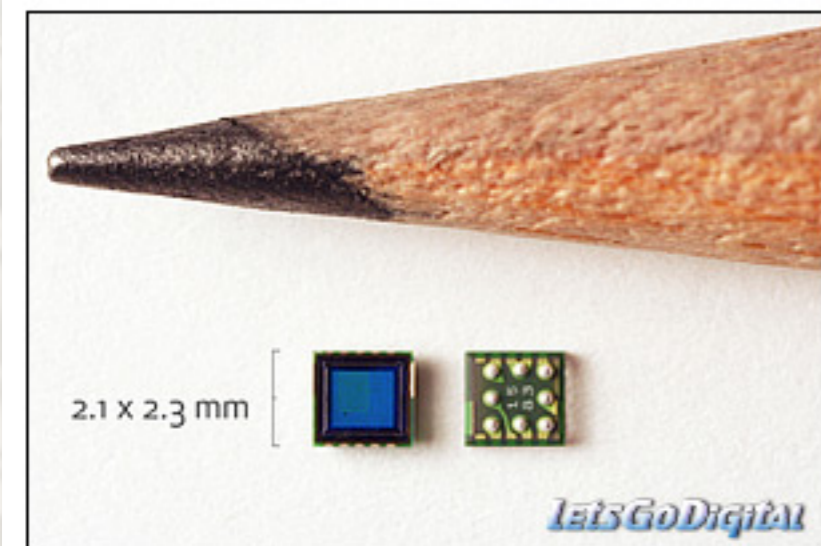

LightStage

DMD based Lights

Kinect Depth Camera

Workflow of Photography: Camera

Workflow of Photography: Camera

Workflow of Photography: Camera

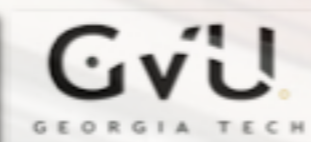# Workflow of Photography: Camera
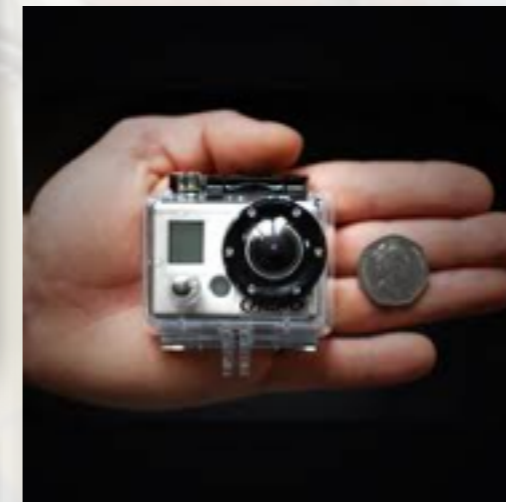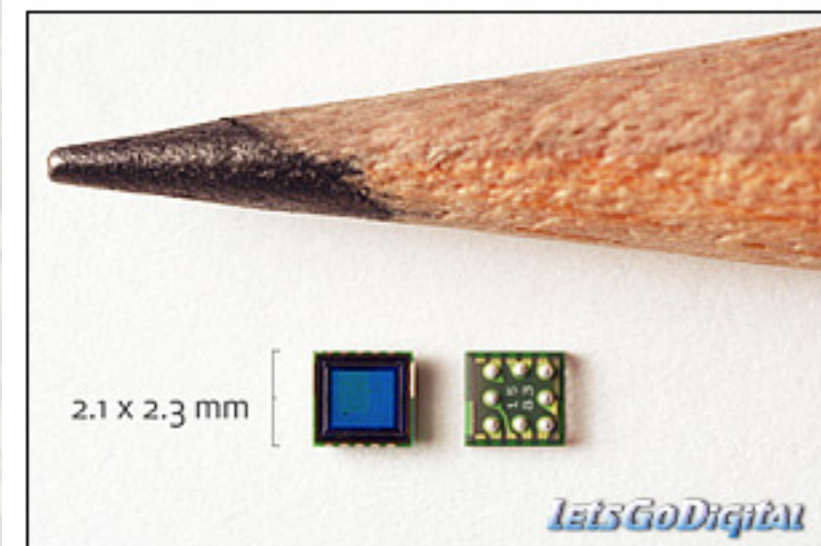
Workflow of Photography: Camera
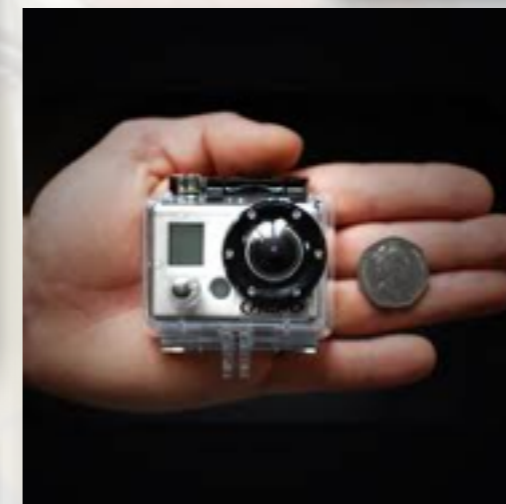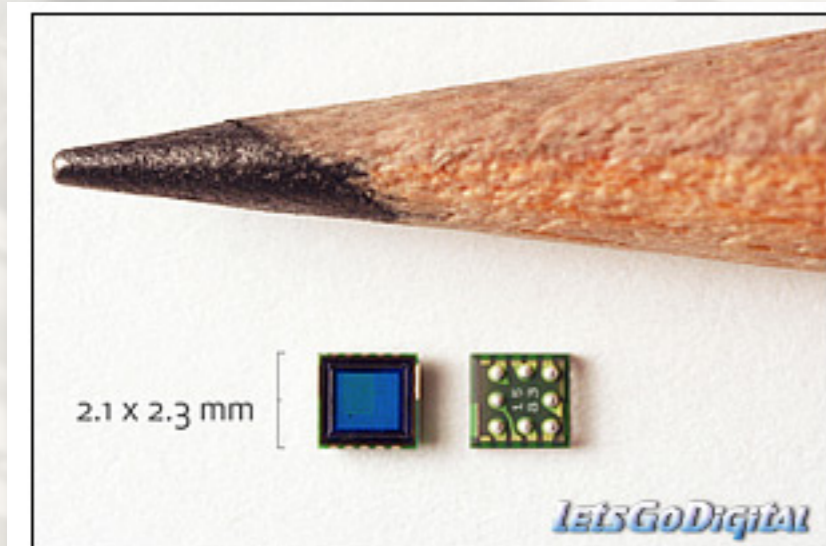
Workflow of Photography: Camera

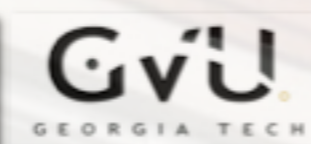# The Camera For Education

Bigshot is an educational camera for kids and adults alike.
Learn the science. Build the camera. Capture your world.
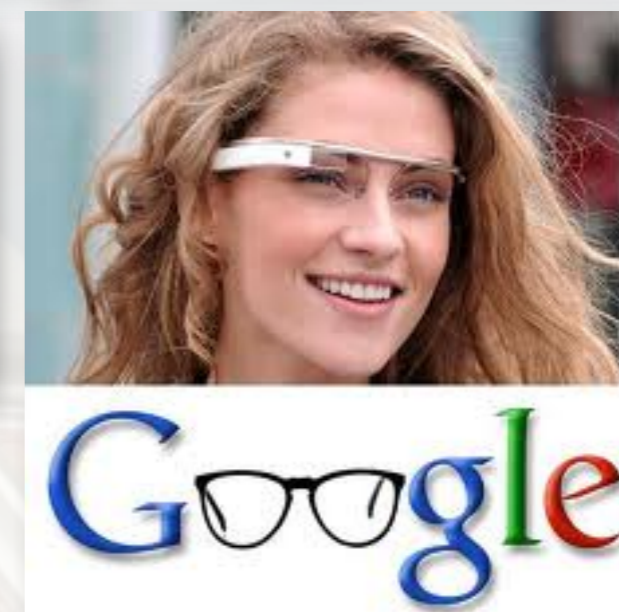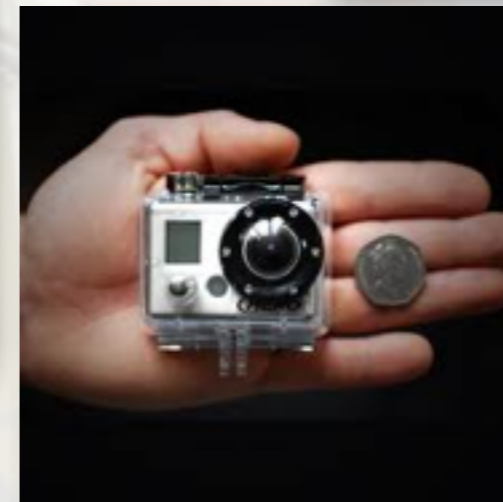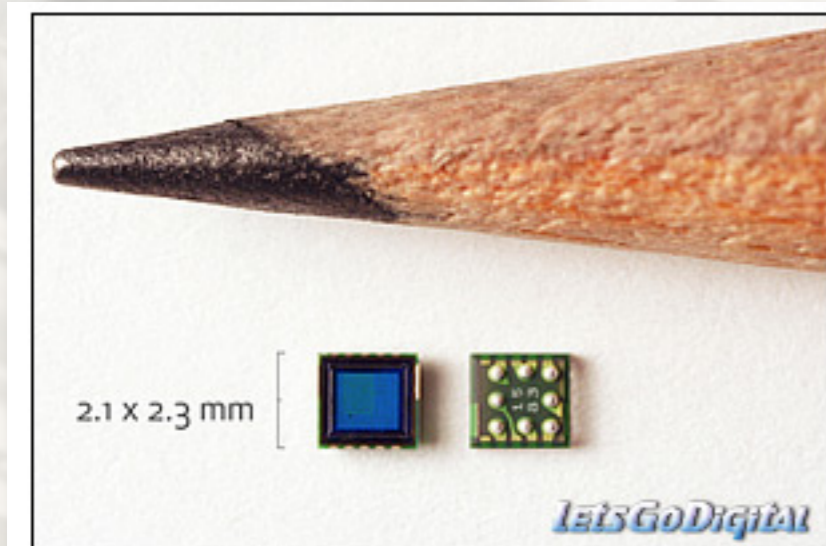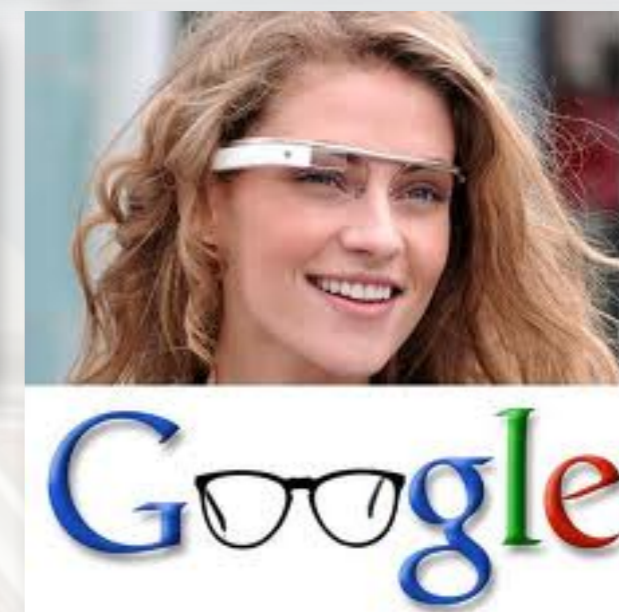Watch Video

BigShot

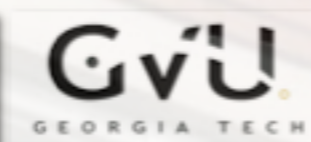Bigshot is in prototype phase and not for sale.

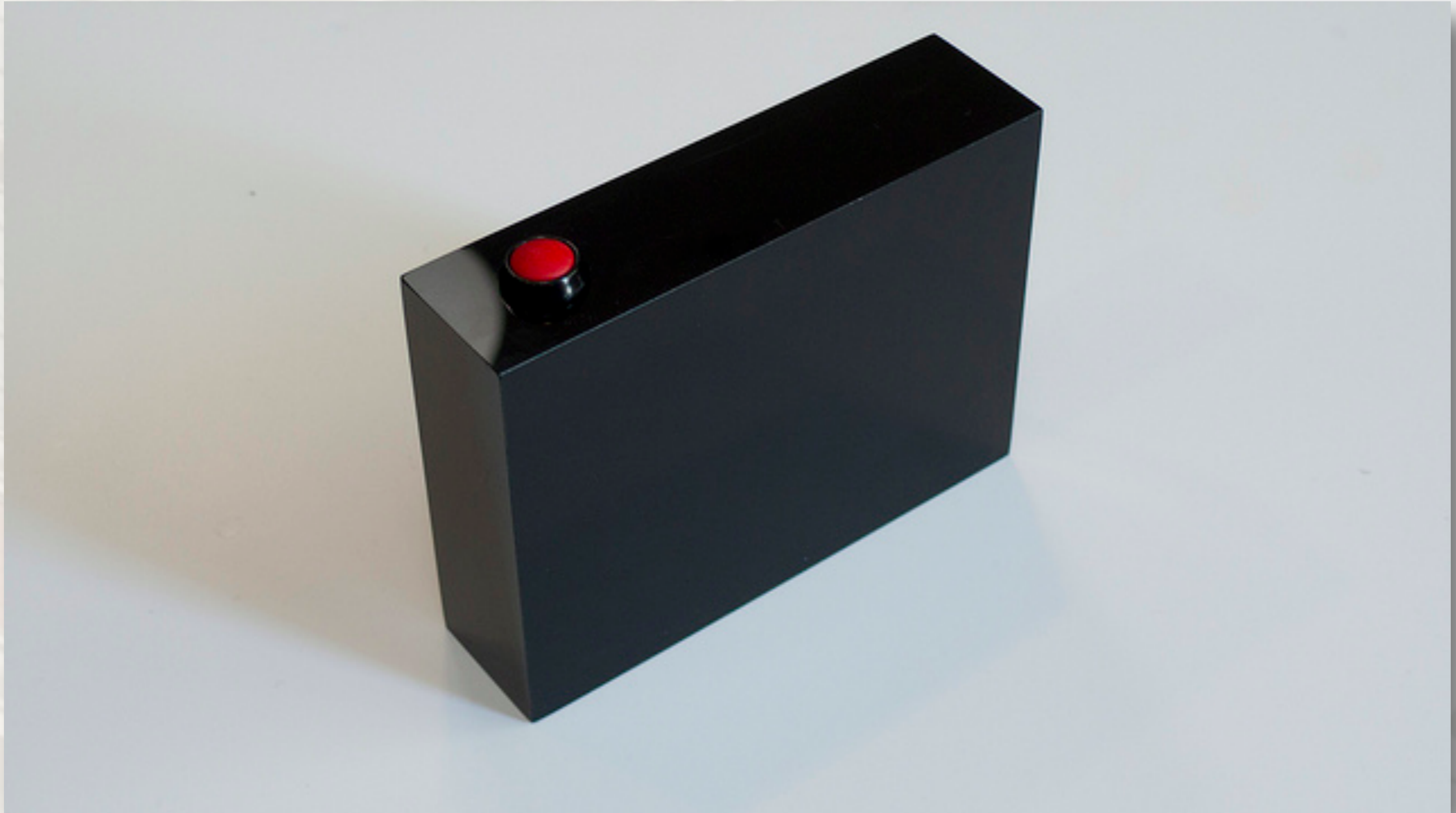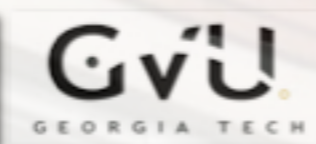# http://www.bigshotcamera.org/

Blinks & Buttons (2008)
Sascha Pohflepp

Descriptive Camera (2012)
Matt Richardson

Workflow of Photography: Photographer

Workflow of Photography: Photographer

Workflow of Photography: Photographer

Photo Journalism

- Kennedy Assassination (Zapruder Tapes)

- Rodney King Beatings in LA

- 9/11 Images

- 7/7 London Bombings

- Virginia Tech
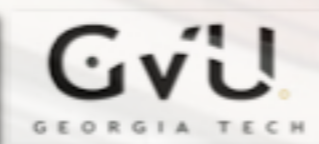
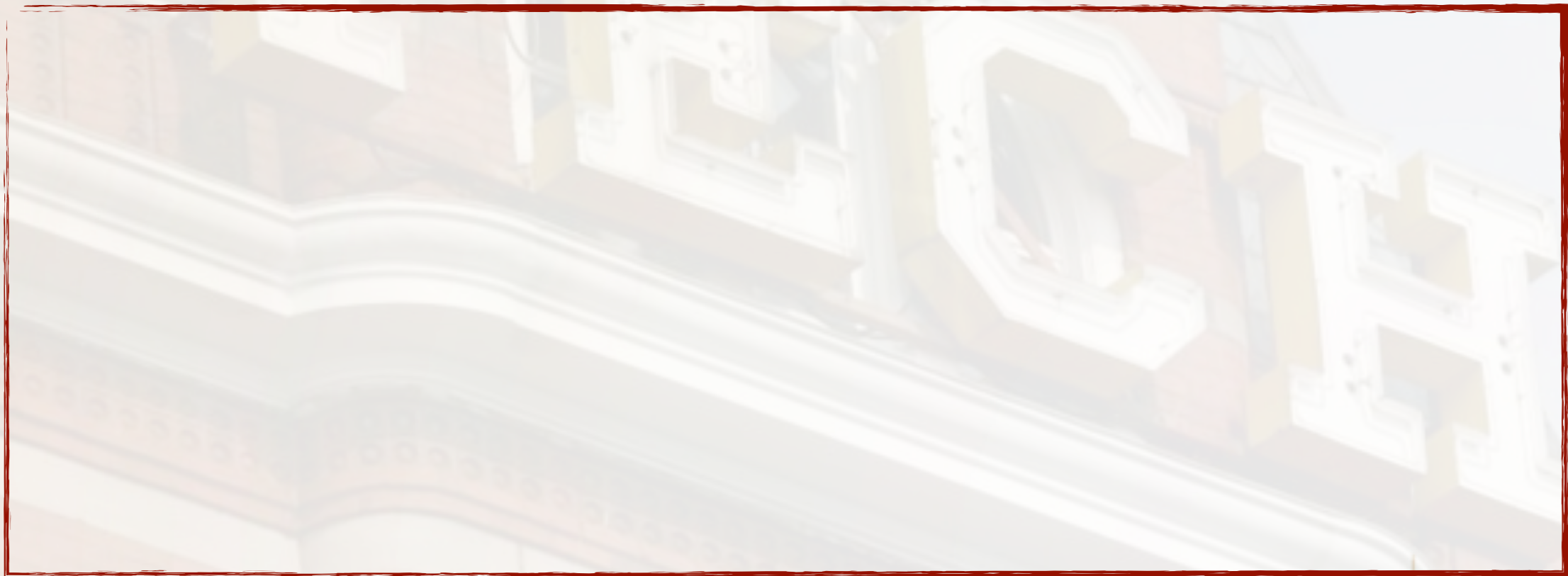- Michael Richards ...

- "Don't Taze me Bro"

Photo Journalism

- Kennedy Assassination (Zapruder Tapes)

- Rodney King Beatings in LA

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- 7/7 London Bombings

- Virginia Tech

- Michael Richards ...

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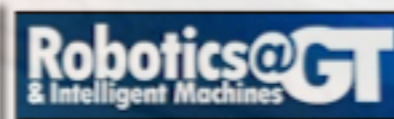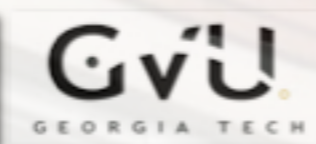
Workflow of Photography: Digital

Workflow of Photography: Digital

Workflow of Photography: Digital

Photography Workflow: Sharing

Photography Workflow: Sharing

Print   vs   Display

Photography Workflow: Sharing

Print

Display

vs

Physical

vs

Online

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Photography Workflow: Sharing

Print

vs

Display

Physical

vs

Online

Crowd Sourced

vs

Curated

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School of Interactive Computing

Computational Photography

https://www.coursera.org/course/compphoto

Art in Digital Culture...
Threat or Opportunity

A Bit of Both!

Irfan Essa
School of Interactive Computing
GVU & RIM @ GT Centers
Georgia Tech

http://prof.irfanessa.com