

# **Transforming the Radiological Interpretation Process**

## **Current Status of the SCAR TRIP™ Initiative**

**Katherine P. Andriole, Chair R&D Committee**  
**Richard L. Morin, Chair TRIP™ Subcommittee**

**Society for Computer Applications in  
Radiology**

# OUTLINE

- ◆ **The SCAR TRIP<sub>TM</sub> Video**
- ◆ **The SCAR TRIP<sub>TM</sub> Initiative to Date**
- ◆ **2004 Special Session**
  - **Breast Computer-Aided Detection**
  - **Chest Computer-Aided Detection**
  - **Neuro-Image Processing**
  - **Panel Discussion**

# **SCAR TRIP<sub>TM</sub> to Date**

- ◆ **Launched the SCAR TRIP<sub>TM</sub> Initiative**  
**@ SCAR Annual Meeting June 10, 2003**
- ◆ **Participated with RSNA in InfoRAD Showcase**  
**@ RSNA Annual Meeting Nov 30 – Dec 5, 2003**  
**–TRIP<sub>TM</sub> Video Produced November 2003**
- ◆ **TRIP<sub>TM</sub> Whitepaper Printed November 2003**

# **SCAR TRIP<sub>TM</sub> to Date**

## **Invited TRIP<sub>TM</sub> Presentations**

- DICOM Anniversary Meeting 10/03 (Andriole)**
- Seimens Medical Advisory Board Meeting 11/03 (Morin)**
- ACR Board of Chancellors' Meeting 11/03 (Morin)**
- Several RSNA Presentations 12/03 (Andriole, Channin, Morin, Siegel, Erickson)**
- Keynote at SPIE Medical Imaging, PACS & Imaging Informatics 2/17/04 (Andriole & Morin)**
- HIMSS 2/04 (Bowers, Reiner, Siegel)**

# **SCAR TRIP<sub>TM</sub> to Date**

- ◆ **Sponsoring 2-day Interdisciplinary Workshop**
  - Jan 31 – Feb 1 2005 in Washington, D.C.
  - Plenary, Poster & Breakout Sessions
  - NIH TRIP<sub>TM</sub> Conference Grant submitted 12/15/03
    - »Awarded April 2004
- ◆ **TRIP<sub>TM</sub> White Paper submitted to JDI February 2004**

# **Corporate Partnership Program for the SCAR TRIP<sub>TM</sub> Initiative**

- ◆ **Acknowledgement on all official TRIP<sub>TM</sub> communications**
- ◆ **Complimentary copy of TRIP<sub>TM</sub> Video DVD**
- ◆ **Participation in TRIP<sub>TM</sub> Conferences**
- ◆ **Participation on the SCAR/TRIP<sub>TM</sub> Listserve**
  - **Fosters discussion & exchange of ideas among research groups**

# Corporate Partnership Program for the SCAR TRIP<sup>TM</sup> Initiative

## ◆ Partnership Levels (through 2007)

- **TeraPartner:** \$10,000

- **PetaPartner:** \$20,000

- Acknowledge as corporate supporter of TRIP<sup>TM</sup> Conferences

- **ExaPartner:** \$40,000

- Participation in Annual TRIP<sup>TM</sup> Forum – interact & share results w/investigators; by invitation only

- Recognition as founding supporter of SCAR Scholar Program.

# Today's Program

- ◆ **Will focus on computer aided detection (CAD) as an approach for dealing with large medical image data sets**
  - **analogous to automated analysis of pap smears as a means for screening for pathology.**

# Today's Program

## ◆ Example Approaches

### –Breast CAD

» Maryellen Giger, Ph.D., University of Chicago

### –Chest CAD

» Matthew Brown, Ph.D., UCLA

### –Neuro-Image Processing

» Brad Erickson, M.D., Ph.D., Mayo Clinic Rochester