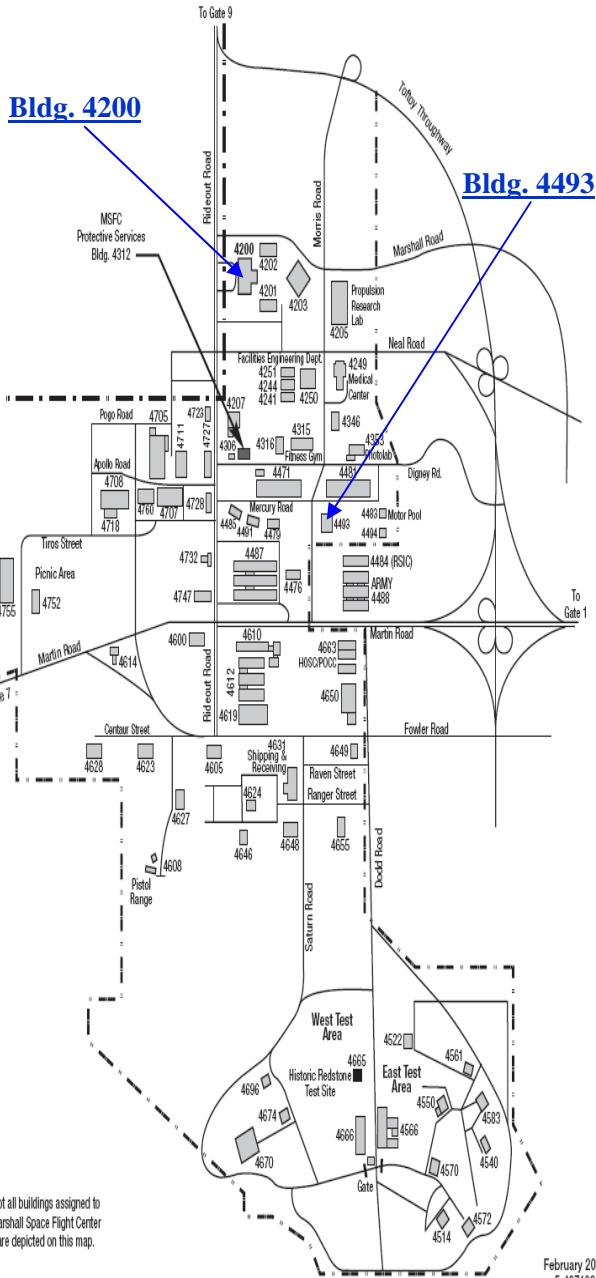


Marshall Space Flight Center



Not all buildings assigned to Marshall Space Flight Center are depicted on this map.

February 2009
5-407138

Task	Name
Forum Chair	Wang, Caroline
Forum Co-Chair	McNeil, Josh
Forum Co-Chair	White, Cathy
Forum Co-Chair	Workman, Carol
Session Co-Chair	Hosner, Steve
Marketing Chair	Diaz, Lori
Marketing Co-Chair	Leathers, Chad
Logistics Chair	Jacks, Bennie
Registration Chair	Roberts, Rod
Media Relations Chair	Smith, Tina
NASA-Learning Center Coordinator	McMillan, Carolyn
Session Chair	Ciliax, Richard
Session Co-Chair	Hood, Beverly
IEEE & INCOSE Liaison	Robinson, Bob
Forum Support Organizations:	
NASA MSFC/JSC/GSFC, U.S. Army, Teledyne Brown, SAIC, SEI, Dynetics, Tec-Masters, Westar, TechUSA, Boeing, Q-Track, Dynamic Concept, Schafer, Intrinsic Technologies Corporation, Pikeworks Corporation, Air Force, PPT Solutions	
www.nasa.gov	

National Aeronautics and Space Administration
NASA ARMY
 Systems and Software Engineering Forum
 May 12 and 13, 2009
 MSFC 4200
 Morris Auditorium and Learning Center



NASA's Marshall Space Flight Center is hosting the two day NASA/Army Systems and Software Engineering Needs and Capabilities Forum, which features local, national and international subject matter experts from government, industry, research and academia. The first morning session features prominent systems and software engineering leaders sharing their 'View from the Top' and what they foresee on the near horizon. Over the succeeding one and a half days of the forum, other equally renowned subject matter experts delve into Software Formal Methods, Model Based Engineering, Complex Programmable Devices, Information Security Solutions for Net Readiness, Intellectual Property Protection, Technology Transfer Success Stories and CMMI. Attendees earn Continuous learning points. Based on participant feedback, the committee plans to organize future sessions and workshops to delve deeper into topics of interest.

IEEE Huntsville
INCOSE Huntsville

May 12th, 2009 Schedule
8:30-11:30 Morris Auditorium

Keynote Session



[Mr. Roy Malone](#)

MSFC S&MA, Director

Presentation: **Opening Remarks**



[Mr. Dan Dumbacher](#)

MSFC, Director of Engineering Directorate

Presentation: **NASA & Army Sys & SW:
Partnership for 50 Years and Counting**



[Mr. Rex Geveden](#)

Teledyne Brown, President

Presentation: **Software and Systems
Complexity**



[Dr. William Lewis](#)

AMRDEC, Aviation Engineering Director

Presentation: **TBA**



[Dr. William Craig](#)

AMRDEC, Software Engineering Director

Presentation: **TBA**



[Mr. Bob Savely](#)

JSC, Chief Scientist

Automation, Robotics, & Simulation

Presentation: **Human-Robot Interaction**



[Dr. Mike Hinchey](#)

NASA, Consultant and Co-Director at the
Irish Software Engineering Research Center

Presentation: **Evolving Critical Systems:
A Research Agenda for SW Engineering**

National Aeronautics and Space Administration

NASA ARMY



Systems and Software Engineering Forum

May 12th, 2009 Schedule

Learning Center

Parallel Session I: **Intellectual Property**

Session Co-Chairs: Carolyn McMillan, Caroline Wang

Location: 4200/Room G13C (30 seats)

1:00-2:30 **Intellectual Property: Patent, license, copyright**

Speaker: [Jim McGroary](#)

Government/Industry intellectual property challenges

Speaker: [Jerry Gabig](#)

3:00-4:30 **Technology Transfer Success Stories (VISAR)**

Speaker: [Dr. David Hathaway](#)

Parallel Session II: **Model Based Engineering**

Session Chair: Steven Hosner

Location: 4200/ Room G13D (32 seats), Computer lab

1:00-2:30 **Model Based Engineering Methodologies, AADL**

Speaker: [Bruce Lewis/AMRDEC.SED](#); [Dr. Dave Gluch/SEI](#)

3:00-4:30 **Model Based Engineering Methodologies SysML**

Speaker: [Theodore E. Kahn/ARC-PX](#)

May 13th, 2009 Schedule

Morning Program: Learning Center

Parallel Session I: **Complex Electronics**

Session Chair: Richard Ciliax

Location: 4200/ Room (EMS)

8:30-10:00 **Complex Electronics - CPLDs, FPGAs, ASICs**

Speaker: [Richard Ciliax/AMRDEC.SED](#)

10:30-12:00 **Management of FPGA and ASIC Development
for Critical Applications**

Speaker: [Shawn Wallace/MSFC; NASA](#)

Parallel Session II: **CMMI**

Session Co-Chairs: Carol Workman, Lori Diaz

Location: 4200/ Room G13 C (30 seats)

8:30-11:30 **CMMI**

Speaker: [Mike Phillips/SEI](#)

Afternoon Program: Learning Center

Parallel Session I: **Security**

Session Co-Chairs: Beverly Hood, Paul Clark

Location: 4200/ Room G13 C (30 seats)

1:00-2:30 **Information Protection**

Speaker: [Sandy Ring/Pikewerks Corporation](#)

Some Real Science for Software Protection

Speaker: [Charles P. Satterthwaite/
Air Force Research Laboratory](#)

**Policy-based Situation Understanding & Network
Management**

Speaker: Dr. Andrew Potter/Sentar

3:00-4:30 **Computer security training and demo**

Speaker: [Paul Clark/Dynetics](#)

Application Security Toolchest

Speaker: [Beverly Hood/Westar Aerospace & Defense](#)

Parallel session II: **Systems/Software**

Session chair: Josh McNeil

Location: 4200/ Class rm. G13 D (30 seats)

1:00-2:30 **Systems/Software Engineering Methodologies
Formal Methods, self-managing systems**

Speaker: [Dr. Mike Hinchey](#)

3:00-4:30 **Using Formal Methods for Requirements
Modeling and Validation**

May 13th, 2009 Schedule

Special Topic Sessions

No registration required

8:30-10:00 **Ares Real-Time Environment for Modeling,
Integration, and Simulation**

Speaker: [Dr. Pat Tobbe/Dynamic Concepts Inc.](#)

Location: MSFC Building 4493/System Integration
Laboratory, **Demonstration followed by discussion**

10:00-10:30 **Human-Robot Interaction**

Speaker: [Bob Savely/JSC](#)

Location: 4200/Learning Center Classroom

1:00-2:30 **Complex Electronics Demonstration**

Speaker: [Richard Ciliax/AMRDEC.SED](#)

Location: 4200/Learning Center Classroom