



Maryland

M Modeling
S Simulation
A Analysis
C Council

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Mission

*T*he mission of the Maryland Modeling, Simulation & Analysis Council (MMSAC) is to serve as the State's facilitator for examining the expanding role of modeling, simulation, and analysis (MS&A) in today's global environment.

MMSAC will serve as an essential link between government, industry, and academia engaged in research, development, and applications of MS&A technology.

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Background

MMSAC was organized specifically to leverage the cooperative efforts of business, academia and government regarding modeling, simulation, and analysis capabilities, methodologies and tools within the state, national and international communities.

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Goals

- Form partnerships within the evolving Energetics Technology Center in Charles County
- Initiate new efforts that focus on teaming with government, industry and academia
- Forge regional coalitions for MS&A activities designed to support the growth of new high technology jobs within Southern Maryland and the State
- Establish leadership activities within the state, national, and international communities with a focus on the wide range of applications for modeling, simulation, and analysis.
- Support simulation RDT&A activities
- Publish MS&A lessons learned

Business Strategy

- Utilize a “Systems of Systems” approach to each effort
- Support efforts to create an MS&A roundtable of government sponsors
- Seek grant funds
- Sponsor and support annual MS&A educational and business events

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2006 Accomplishments

- DBED endorsement
- MMSAC steering committee formed
- Established working relationships with Charles County Economic Development Director and the Charles County Homeland Security Association
- Participation in Maryland economic development activities business events

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Next Steps

- Build community awareness of MMSAC
- Finalize 2007 roadmap and business plan
- Apply for grant funding
- Define and plan MS&A events
- Organize coalitions and partnerships with industry, government, and academia
- Create clearinghouse and virtual campus

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Next Steps cont.

- Form MS&A technical working group to focus on issues common to the MS&A community including:
 - Predictive Analysis
 - Next Generation Toolbox
 - Data Integration
 - Virtual Prototyping
 - Visual Fidelity
 - Virtual Project Planning

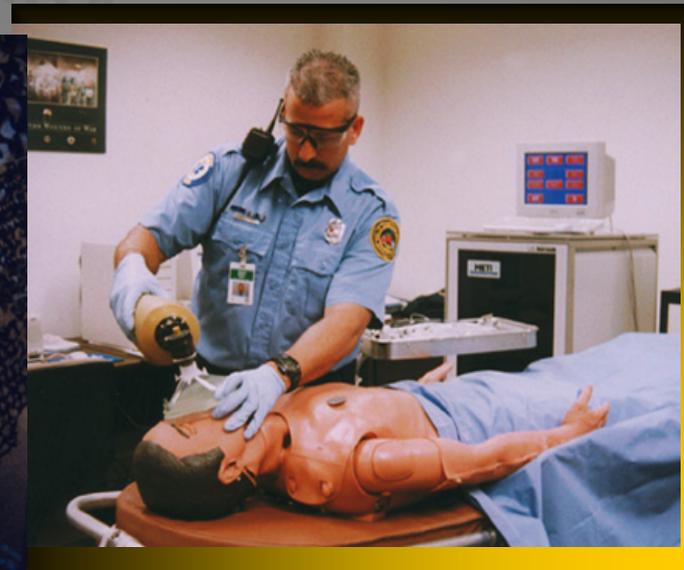
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Areas of Interest/Business Opportunities

- Medical – Diagnosis, Exercises, & Training



Military



Civilian

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- Transportation – CDL Driver Trainer



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- Homeland Security - Terminal & Runway Security



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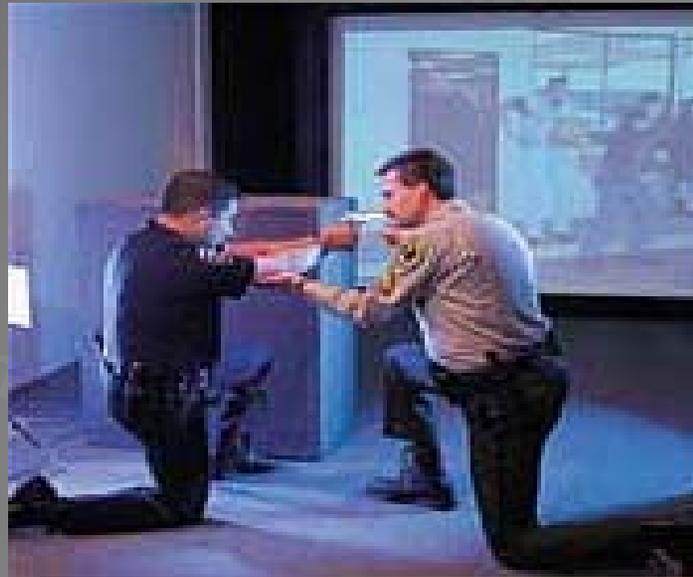
- Environmental - First Responder/Incident Management



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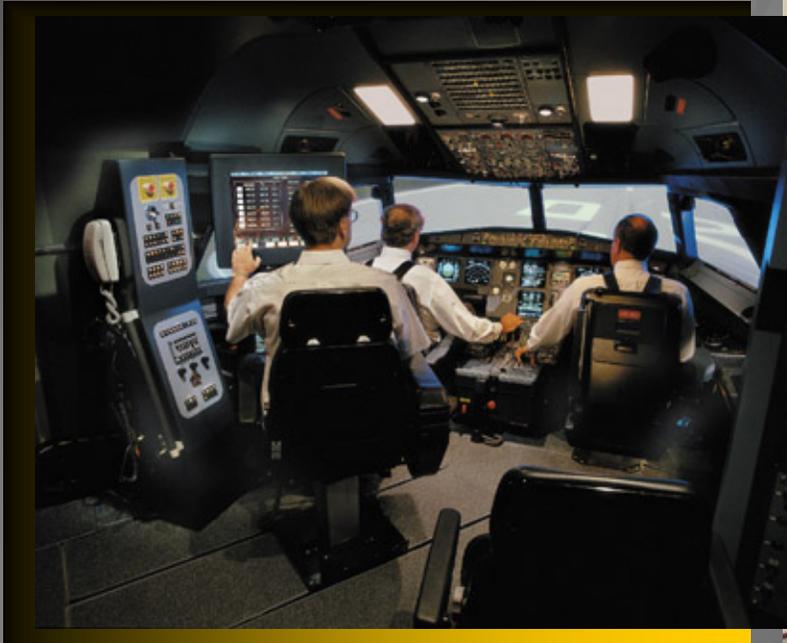
- Law Enforcement - Exercises & Training



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- Aviation (Military/Commercial) – Flight Safety Assessment



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- Mission Rehearsal
 - Systems Operations/Management



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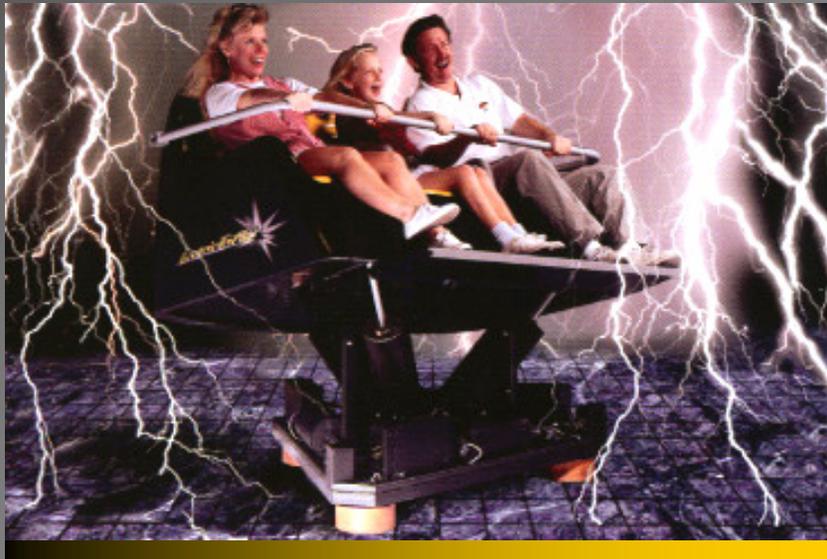
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■ Gaming



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- Entertainment



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Areas of Interest cont.

- Science & Technology Toolbox Development
- National Infrastructure Assessment & Mitigation
- Public Safety Planning Activities
- Terrorism Assessment & Mitigation
- Military Defense & Force Protection Analysis
- Network Centric Wargaming
- Others (under review)

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