



Opportunities for Community Involvement in MAVEN: MAVEN Participating Scientist Program

**Presented to MAVEN Science
Community Workshop
December 2, 2012**



MAVEN Participating Scientist Program

Science Mission Directorate

NASA Research Announcement

MAVEN Participating Scientist Program

Solicitation: NNH12ZDA001N-MAVENPS

Dates

Release Feb 14, 2012
Close Mar 01, 2013

Announcement Documents

- [Summary of Solicitation for ROSES 2012 as clarified \(.PDF\)](#)
- [Table 2. Solicited Research Program as amended and clarified \(in order of proposal due dates\) \(.HTML\)](#)
- [Table 3. Solicited Research Programs as amended and clarified \(in order of Appendices A,B,C,D and E\) \(.HTML\)](#)
- [Complete ROSES 2012 - Summary of Solicitation and Appendices A through E as amended and clarified \(.PDF\)](#)
- [C.1 Planetary Science Research Program Overview \(.PDF\)](#)
- [C. 27 MAVEN Participating Scientist Program \(.PDF\)](#)

Other Documents

- [MAVEN Concept Study Report \(excerpts\) \(.PDF\)](#)
- [MAVEN instrument measurement capabilities and science purviews \(.PDF\)](#)
- [MAVEN presentation at MEPAG 2/28/2012 \(excerpts\) \(.PDF\)](#)
- [MAVEN Rules of the Road \(.PDF\)](#)
- [MAVEN Level 1 Requirements \(.PDF\)](#)
- [MAVEN Participating Scientist Program Frequently Asked Questions \(as of 11/7/12\) \(.PDF\)](#)

Program Element Information

- [Research Opportunities in Space and Earth Sciences \(ROSES\) - 2012](#)



MAVEN Participating Scientist Program

- Expected *total* program budget for the duration of the program: \$2M
- Number of new awards pending adequate proposals of merit: ~6-8
- Maximum duration of awards: 2 years and 6 months (assuming a funding start date of November 1, 2013);
- Due date for Notice of Intent to propose (NOI): January 11, 2013
- Due date for proposals: March 1, 2013
- Planning date for start of investigation: November 1, 2013



Science Priorities for this Solicitation

Participating Scientists may propose to address any of the goals of the Mars Exploration Program, although emphasis will be placed on investigations addressing one or more of the MAVEN science questions, which are:

1. What is the current state of the upper atmosphere and what processes control it?
2. What is the escape rate at the present epoch and how does it relate to the controlling processes?
3. What has the total loss to space been through time?



Suggested Topics

- The Present Mars Upper Atmosphere and Ionosphere
- Evolution of Mars Atmosphere
- Influence of the Lower Atmosphere on the MAVEN Measurement Regime
- Atmospheric Waves
- Ionosphere Electrodynamics
- Energetic Particle Interactions





MAVEN Participating Scientist Program

- Current MAVEN PI and Co-Is are not eligible to propose to this solicitation (can be *unfunded* collaborators).
- Current MAVEN collaborators are eligible to propose to this solicitation.
- Selected *principal investigators* will become members of the MAVEN science team (only one per proposal).
- All team members will be bound by the MAVEN "Rules of the Road".
- Soliciting investigations primarily involving the measurements made by the instruments that comprise MAVEN's science payload.
 - Investigations involving data from outside the science instruments may be considered if they are vital to the interpretation of MAVEN core science measurements.



NASA Points of Contact

- Proposer Information Package:
Joseph Grebowsky
MAVEN Project Scientist

- MAVEN Participating Scientist Program
Kelly Fast
MAVEN Program Scientist



BACKUP



Frequently Asked Questions

- **Q1:** Where can I find information on the MAVEN mission?
A1: See the Proposer Information Package files listed under "Other Documents" on the NSPIRES homepage for this call (Appendix C.27 of ROSES 2012).
- Further details about the mission and this workshop can be found at <http://lasp.colorado.edu/maven>, and charts will be posted after the workshop.