

# PHaSER: Partnership for Heliophysics and Space Environment Research

The Catholic University of America (CUA)

University of Maryland Baltimore County (UMBC)

George Mason University (GMU)

University of Maryland College Park (UMCP)

Howard University (HU)

Universities Space Research Association (USRA)

# PHaSER Guiding Principles

- Prioritize excellence in science through sound management, excellent business and financial support, and optimized recruitment and retention.
- Sustain and strengthen partnerships among Heliophysics researchers.
- Nurture early career scientists by providing a broad range of opportunities for students and recently graduated PhDs.
- Facilitate collaborations with visiting scientists and the broader research community.
- Strengthen diversity and inclusion through aggressive programs aimed at underrepresented groups.
- Enable productive integration of university scientists in HSD scientific planning, technology development, and all phases of mission implementation.

# PHaSER PI and Institutional PI Team

- Bob Robinson (CUA): Principal Investigator
- Jeff Brosius (CUA): Deputy PI
- Jan Merka (UMBC): Co-I
- Jie Zhang (GMU): Co-I
- Natalia Buzulukova (UMCP): Co-I
- Marcus Alfred (Howard U): Co-I
- Linda Parker (USRA): Co-I

# Administration, Management, & Leadership

- Overall Management: Bob Robinson (PI, CUA), Jeff Brosius (Deputy PI, CUA)
- Contractual: Ralph Albano (Vice Provost for Research, CUA)
- CUA General Oversight: Ralph Albano, Steve Kraemer (Assoc. Dean for Graduate Programs), John Philip (Chair of Physics Dept.), Aaron Dominguez (Provost)
- Co-Is: Jan Merka (UMBC); Natalia Buzulukova (UMCP); Jie Zhang (GMU); Linda Parker (USRA); Marcus Alfred (Howard U.)
- Administrative Support: Gina Martin (Senior Business Manager, CUA); Margo Young (Admin. & Finance Director; UMBC)
- Badging, IT access: Olga Uritskaya (CUA)
- Faculty Liaisons: Vadim Uritsky (670, CUA), Jie Zhang (671, GMU), Jan Merka (672, UMBC), Natalia Buzulukova (673, UMCP), Robert Weigel (674, GMU), Erdal Yigit (675, GMU)
- SESI Program: Burcu Kosar (CUA)

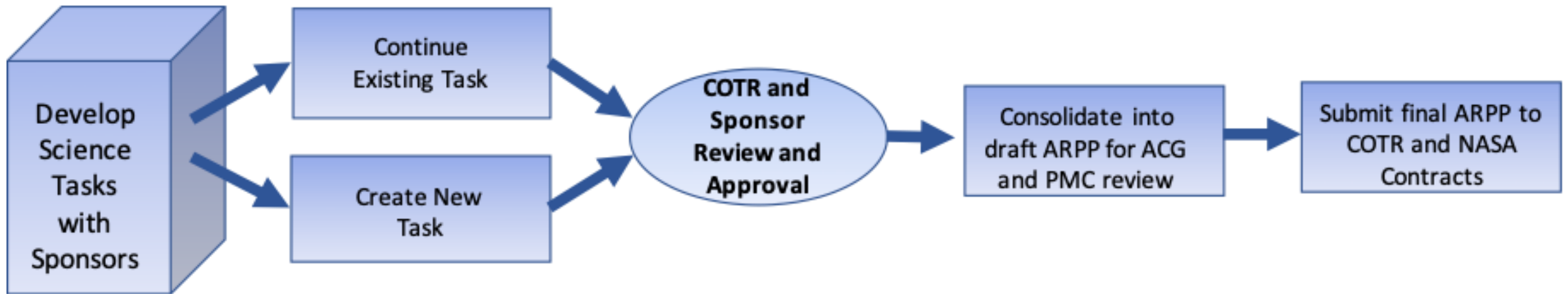


# Planned Partnership and Cooperation

ARPP=Annual Research Program Plan

ACG=Administrative Coordination Group

PMC=PHaSER Management Council



Start Here


NASA sponsor wants to create or modify a RAD

NASA sponsor & RA prepare RAD worksheet (may consult PHaSER for cost info)

PHaSER institution prepares a budget for sponsor

NASA sponsor & RA Finalize worksheet and send to PHaSER RA

PHaSER partner is notified of final approval

Everyone is happy 

After RAD approval process is complete, PHaSER updates information in financial report spreadsheet

PHaSER sends RAD for additional reviews and approvals via DocuSign

PHaSER RA reviews RAD; return for correction or forward to PHaSER to initiate DocuSign process

*Institutional Version.*

Account Code	Project No.	Activity Code	Activity Title	Activity Description	Activity Start Date	Activity End Date	Activity Status
000000	000000	000000	000000	000000	000000	000000	000000

*RAD version*

PHaSER Budget Projection			
Employee	Effort Level (2.00 for 1 year)	Salary	
FRANCIS	2.00	\$0	\$0
TOTAL DIRECT COSTS			
MTDC		\$0	\$0
TOTAL BUDGET			
		\$0	\$0

*Page 2 of RAD:*

*Page 1 of RAD: Create a new one or use existing one if a RAD modification*

PHaSER INTERNAL WORKSHEET FOR PROCESSING RAD			
PHaSER RAD	PHaSER Institution	PHaSER RA	PHaSER RA
000000	000000	000000	000000

*Page 2 of RAD:*

PHaSER Budget Projection			
Employee	Effort Level (2.00 for 1 year)	Salary	
FRANCIS	2.00	\$0	\$0
TOTAL DIRECT COSTS			
MTDC		\$0	\$0
TOTAL BUDGET			
		\$0	\$0

**PHaSER INTERNAL WORKSHEET FOR PROCESSING RADs**

Use Highlighted cells for modifications of existing approved RADs only

RAD #							
<b>PHaSER RAD</b>	<b>TBD</b>	NEW RAD SUBMISSION	<select partner>	DATE:			
<b>RAD Title:</b>							
1. GSFC Sponsor Information:				2. PHaSER Responsible Scientist:			
Sponsor:				PHaSER Member:			
Email:				Email:			
Code:		Phone:					
RAD RA:							
1a. GSFC Sponsor Information:				2a. PHaSER Responsible Scientist:			
Sponsor:				PHaSER Member:			
Email:				Email:			
Code:		Phone:					
RAD RA:							
3. List Requirements/Changes as needed:							
PHaSER Personnel	Position	% of FTE	GSFC Location	"X" RAD Leader	Work Start Date	Work Fixed End Date (optional)	Travel Expenses Allowed?
	<select position>						Select (Y/N)
	<select position>						Select (Y/N)
3a. List Requirements/Changes as needed:							
PHaSER Personnel	Position	% of FTE	GSFC Location	"X" RAD Leader	Work Start Date	Work Fixed End Date (optional)	Travel Expenses Allowed?
	<select position>						Select (Y/N)
<input type="checkbox"/> <b>Check Box for Supervisor Approval Received - Required for New RADs and/or GSFC location</b> It is the SPONSOR'S responsibility to notify the university and the GSFC Contracting Officer Representatives (COR) of the cancellation. Termination before ongoing end-date requires a 90-day official notification to Director of PHaSER.							
4. Characteristic Nature of Collaboration between NASA, CUA and their partners: Joint cooperative agreement between NASA, CUA and their partners.							
5. Brief Description of Effort (one paragraph):							
5a. Brief Description of Effort (one paragraph):							
6. Knowledge, Skills and Abilities Required for this Research:							
6a. Knowledge, Skills and Abilities Required for this Research:							
7. Equipment required (CUA must obtain authorization for purchase >=\$5K from COR and NSSC): None							
8. Total Budget (including travel expense if applicable)		\$0	<input type="checkbox"/> Check box only if RAD costs are Not To Exceed (NTE) cumulative RAD obligations.				



# PHaSER Ranks, Promotions, & Salary Structure

- **Postdoctoral Research Associate (“Level 1”)**: Early career researcher, nominally 0 – 5 years after earning PhD. Starting salary ~ \$72K.
- **Assistant Research Scientist/Engineer (“Level 2”)**: Rank equivalent to academic Assistant Professor, typically 4 – 8 years after earning PhD. Salary range ~ \$80K - \$110K.
- **Associate Research Scientist/Engineer (“Level 3”)**: Rank equivalent to academic Associate Professor, typically 7 – 14 years after earning PhD. Salary range ~ \$100K - \$130K.
- **Senior Research Scientist/Engineer (“Level 4”)**: Rank equivalent to academic Ordinary Professor, typically about 12 – 15 years after earning PhD. Salary > \$120K.

# Other Items of Note

- All PHaSER partners have Employee Assistance Programs.
- All PHaSER partners have harassment reporting avenues.