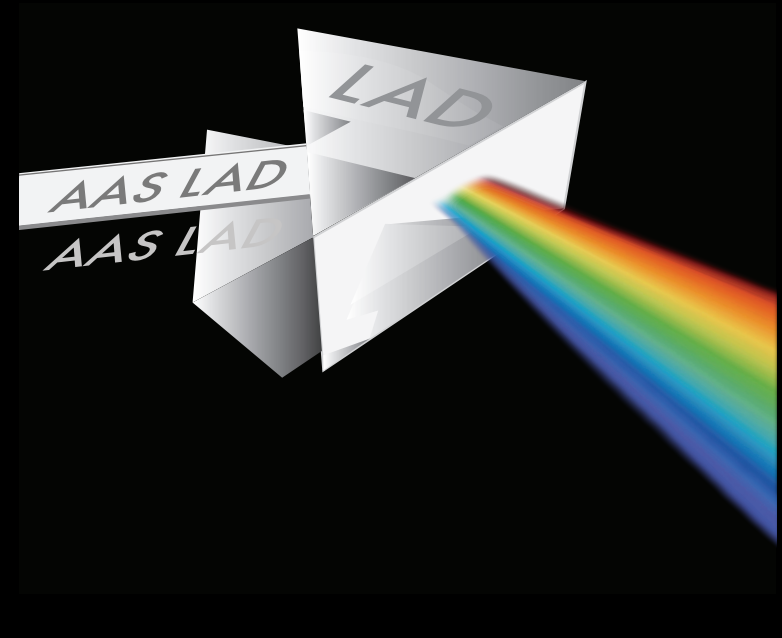


Global Agenda

June 2020

- I. Chair's Report**
- II. Treasurer's Report**
- III. Vice Chair's Report**
- IV. Open Mic**





Laboratory Astrophysics Division (LAD)

ABOUT LAD ▾

GOVERNANCE ▾

MEMBERS ▾

COMMUNICATION ▾

MEETINGS ▾

PRIZES ▾

LINKS ▾

lad.aas.org



Advance our understanding of the cosmos through promotion of fundamental theoretical & experimental research into underlying physics driving the cosmos.

Agenda

- I. Leadership**
- II. Election Results**
- III. Annual Metrics**
- IV. Past Year Highlights**
- V. 2021 Honors**
- VI. The Future**

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LAD Committee Members

Chair: Phillip Stancil (2019-2021)

Vice Chair: Murthy Gudipati (2019-2021)

Past Chair: Randall Smith (2019-2021)

Treasurer: Rachel Smith (2019-2022)

Secretary: Christiaan Boersma (2019-2022)

Members-at-Large:

- 2017-2020

- Artemis Spyrou (nuclear)

- Ella Sciamma-O'Brien (dust/ice)

- 2018-2021

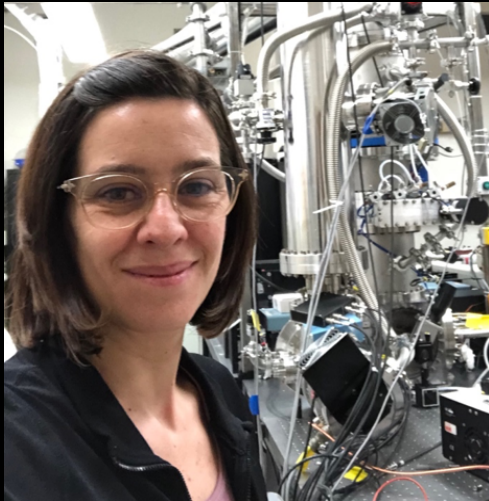
- Michael McCarthy (molecules)

- Kenneth M. Nollett (particles)

- 2019-2022

- Michael Hahn (plasmas)

- Silvia Protopapa (planetary)



Thank you
Ella Sciamma-O'Brian
and Artemis Spyrou
for your amazing service as
LAD Members-at-Large!!!
2017-2020



Agenda

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Election Nominating Committee

- **Renata Cumbee (NASA GSFC / U. Maryland), Chair**
- **Helen Fraser (Open U., UK)**
- **Ken Nollett (San Diego State U.)**

Election Results

Members-at-Large (Atoms, 2020-2023):

*Joan Marler (Clemson U.)

Manuel Bautista (W. Michigan U.)



Members-at-Large (Dust/Ice, 2020-2023):

*Edith Fayolle (JPL)

Robin Garrod (UVa)



Members-at-Large (Nuclear, 2020-2023):

*Carla Froelich (NC State U.)

Steven Pain (ORNL)

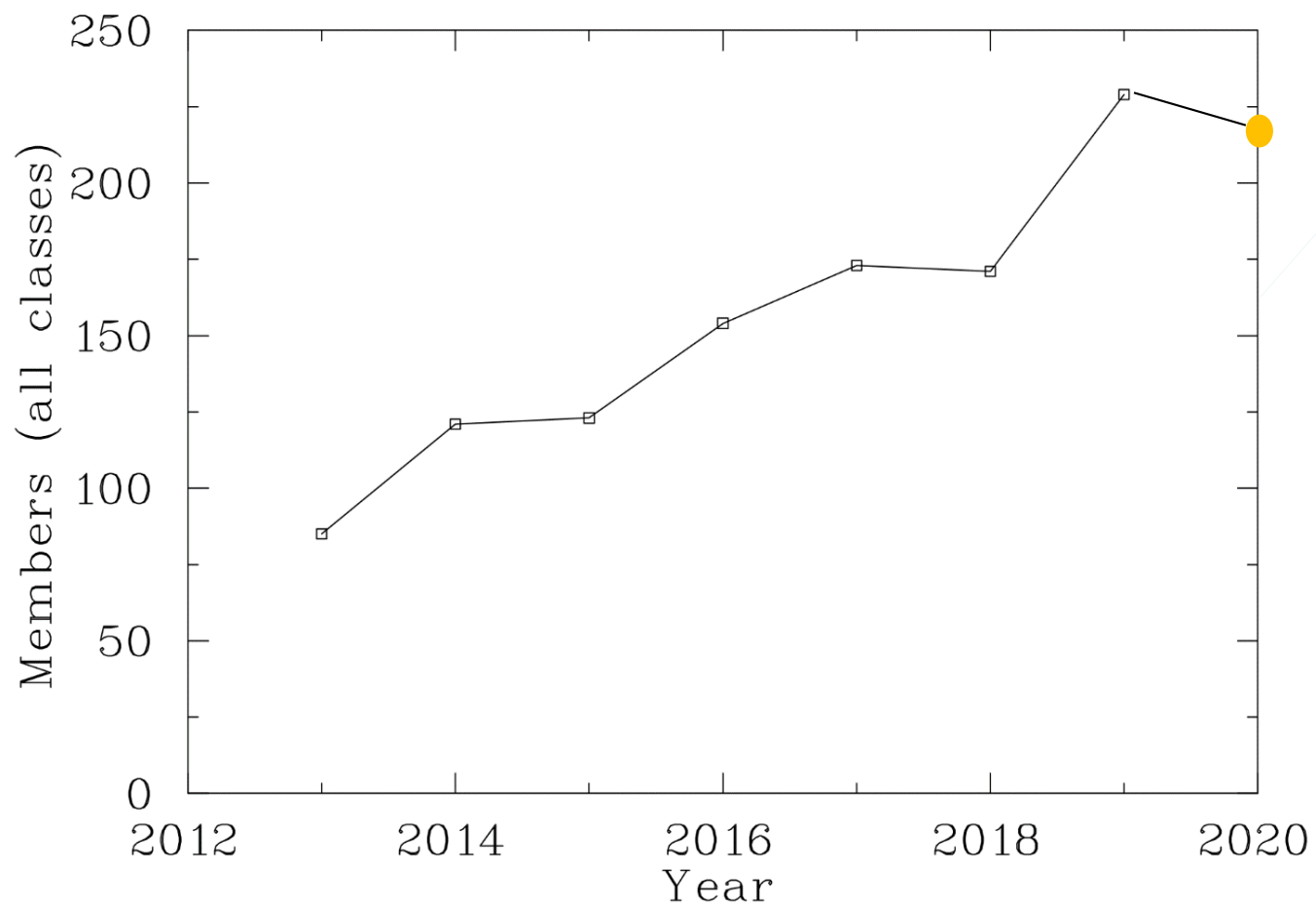


(*Elected)

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Annual Metrics



Annual Metrics

Membership (as of 28 May 2020)

- 215 members in all categories.
- Decrease of 10 since last year.
- 95 voted out of 207 voting members.
- 46% voted this year (15-20% typical for AAS) (29% 2019, 26% 2018, 31% 2017, 36% 2015, 40% 2014).

LAD listserv

- 731 subscribers (685 in 2019).
- 36 are non-AAS-members (affiliates?)

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Highlights of Past Year

Laboratory Astrophysics Prize Committee

Phillip Stancil (U. Georgia), Chair

Gillian Nave (NIST)

Lucy Ziurys (U. Arizona)

Early Career Award Committee

Phillip Stancil (U. Georgia), Chair

Brett McGuire (NRAO)

Gillian Nave (NIST)

Lucy Ziurys (U. Arizona)

Highlights of Past Year

Dissertation Prize Committee

Randall Smith (CfA), chair

Brett McGuire (NRAO)

Gillian Nave (NIST)

Lucy Ziurys (U. Arizona)

Highlights of Past Year

LAD Honors

Laboratory Astrophysics Prize (2020)

- James Truran (U. Chicago)
- Prize lecture at 2020 LAD VM (tomorrow)

Early Career Award (2020)

- Sarah Horst (Johns Hopkins U.)
- Prize lecture at 2020 LAD VM (Wednesday).

Dissertation Prize (2020)

- Natalie Hell (LLNL)
- Prize lecture at 2020 LAD meeting (tomorrow).

Highlights of Past Year

Continued Monthly email blast of LAD-relevant papers in AAS journals to listserve

LAD members lead the writing of the NASA Laboratory Astrophysics Workshop report. Published in BAAS Community Reports (astro-ph)

From: AAS Publishing [mailto:publishing@baas.org]
Subject: 2018 NASA Laboratory Astrophysics Workshop Report
Date: 10/20/2020 10:15 AM
To: stancil@hal.physast.uga.edu

[External Sender]



This is a compilation of laboratory-astrophysics-related papers published in October in the AAS journals (the *Astrophysical Journal*, *ApJ Letters*, *ApJ Supplement Series*, *Astronomical Journal*, and *Research Notes of the AAS*). If your article was left off the list, please **let us know** so we can include it in next month's mailing.

Polarized Line Formation in Arbitrary Strength Magnetic Fields: The Case of a Two-Level Atom with Hyperfine Structure Splitting

M. Sampooran, K. N. Nagendra, K. Sowmya, J. O. Stenflo, and L. S. Anusha

Non-Maxwellian Velocity Distribution Functions for Coulombic Systems out of Equilibrium

Brent M. Randol

Fast-to-Alfvén Mode Conversion and Ambipolar Heating in Structured Media. I. Simplified Cold Plasma Model

Paul S. Cally and Elena Khomenko

Ion and Electron Dynamics in the Presence of Mirror, Electromagnetic Ion Cyclotron, and Whistler Waves

Junson Zhao, Tievann Wana, Chen Shi, Daniel B. Graham, Malcolm W. Dunlop

A screenshot of a web browser displaying the BAAS (Bulletin of the American Astronomical Society) website. The page shows the title "2018 NASA Laboratory Astrophysics Workshop: Scientific Organizing Committee Report" and a brief description: "This report provides detailed findings on the critical laboratory astrophysics data needs that are required to maximize the scientific return for NASA's current and near-term planned astrophysics missions." The authors listed are N. Brickhouse, G. J. Ferland, S. Milam, E. Sciamma-O'Brien, A. Smale, A. Spyrou, Phillip Stancil, L. Storrie-Brickhouse, and G. J. Ferland. The page also includes a search bar, a dashboard link, and a login/signup option.

Highlights of Past Year

PCS and Rachel Smith attended AAS Leadership Meeting (Oct. 18, 2019)

LAD Annual Report submitted to AAS (9/6/19)

Improvements to LAD website by Ella. New webmaster needed!!!

Letter on Budget Cuts to NIST Databases sent to Senate and House committees (signed by pres.)

LAD submitted 2 proposals for special LAD sessions during AAS Winter Meeting 2020 - failed

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2021 Honors

Laboratory Astrophysics Prize

- For significant contribution over extended time.

Early Career Award

- For significant contribution early in career.
- No more than 10 years past Ph.D. or equivalent.

Dissertation Prize

- For outstanding doctoral dissertation (or the equivalent) in laboratory astrophysics.
- No more than 3 years past Ph.D. or equivalent.

Cash award, citation, & invited talk at LAD meeting.
lad.aas.org/call_for_nominations

2021 Honors

Nomination package for the Laboratory Astrophysics Prize and the Early Career Award (due 01 Jul 2020)

- **5-page narrative description** (including figures & bibliography)
- **CV**
- **Publication list**
- **Nomination letter**
- **One sentence proposed citation**
- **2 letters of support**
- **Self-nominations accepted**
- **Send to lad.secretary@aas.org by deadline**

Recipient announced Jan 2021; awarded Jun 2021.

Nominees not selected considered for next 2 years.

2021 Honors

Nomination package for the Dissertation Prize (due 31 Dec 2020)

- 3-page summary of the thesis (including figures & bibliography)
- CV
- Publication list
- Nomination letter
- One sentence proposed citation
- 2 letters of recommendation
- A statement from the nominee's university (Ph.D. or equivalent degree has been awarded)
- Self-nominations accepted
- Send to lad.secretary@aas.org by deadline

Recipient announced Feb 2021; awarded Jun 2021.

Nominees not selected considered for next 2 years.

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The Future

Membership

- Continue campaign to grow division.
- Gifts for bringing in new members (pins)
- Planned reception for Summer meeting -> moved to Winter meeting??

Grow treasury

- Fund raise for prizes?

Strengthen connection with other AAS units

- DPS, HEAD, SPD – in progress

LAD Newsletter

Start modest – annual newsletter

The Future

Reach out to relevant IAU, ACS, APS units

Redesign of LAD Logo. Member competition?

Should we have a LAD poster prize?

Should we provide some student travel support?

Member involvement

- **Committees (Nominating, Honors).**
- **LAD committee on ethics??**
- **Suggestions and Feedback.**