



LABORATORY ASTROPHYSICS DIVISION

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Laboratory Astrophysics Division (LAD)

The object of the Laboratory Astrophysics Division is to advance our understanding of the Universe through the promotion of fundamental theoretical and experimental research into the underlying processes that drive the Cosmos.

[Join LAD](#)

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<http://lad.aas.org>

Agenda

- I. Leadership**
- II. Election Results**
- III. Annual Metrics**
- IV. Past Year Highlights**
- V. Obituaries**
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- VII. The Future**

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LAD Committee Members

Chair: Steven R. Federman (2013-2015)

Vice Chair: Farid Salama (2013-2015)

Treasurer: R. Paul Drake (2013-2016)

Secretary: Daniel Wolf Savin (2013-2016)

Members-at-Large:

- **2013-2016**

 - John Black (atoms)

 - Nancy Janet Chanover (planetary)

- Gianfranco Vidali (dust & ices)

- **2014-2017**

 - Edward Brown (nuclear)

 - Karin Öberg (dust & ices)

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Election Nominating Committee

Peter Beiersdorfer (LLNL), Chair

Adwin Boogert (CalTech)

Els Peeters (U. of Western Ontario)

Election Results

**36% voting members cast ballots
(15-20% typical for AAS elections).**

Vice-Chair (2015-2017)

***Randall Smith (CfA)**

Members-at-Large (molecules, 2015-2018):

***Jan Cami (U. Western Ontario)**

Brett A. McGuire (NRAO)

Members-at-Large (particles, 2015-2018):

***Oswald H. W. Siegmund (UC-Berkeley)**

Brian D. Fields (U. Illinois)

(*Elected)

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Annual Metrics

Membership (as of 08 August 2015)

- 123 members in all categories.
- Growth of 2 since last year.
- 111 voting members.
- 36% voted this year (40% last).

LAD listserv

- 548 subscribers.
- Growth of 44 since last year.

Funds

- General funds - \$9042 (last year: \$4585).
- Prize funds - \$3802 (last year: \$1650).

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Highlights of Past Year

June 2014: 2nd LAD meeting at 224th AAS meeting

- Plenary lecture (Sara Seager).
- 6 sessions (atoms, molecules, dust & ice, plasma, planetary, and nuclear/particle).
- Two 30 min invited & two 15 min contributed.
- Attendance ~35-65 per session.
- Third business meeting.
- 2 joint LAD, SPD, and APS TGPAP sessions.
- Format: Six 15 min talks.
- Attendance ~30-75.

Highlights of Past Year

First Laboratory Astrophysics Prize (2015)

- Lou Allamandola (NASA – Ames).
- Will give lecture at 2016 LAD meeting.

Special sessions at other AAS division meetings

- HEAD – Aug 2014 (Daniel Savin).
- DPS – Nov 2014 (Nancy Chanover, Murthy Gudipati).

Joint proposal with IAU Commission14

- Lab Astro Focus Meeting at 2015 IAU GA.
- Led by Farid Salama, Lyudmila Mashonkina, and Steve Federman.

Highlights of Past Year

IAU Focus Meeting 12

- Sessions on atoms, molecules, dust & ices, planetary, plasma, nuclei, and particles.
- 10 invited talks of 30 min.
- 25 invited/contributed talks of 15 min.
- 2 summary talks (30 min.).
- 57 posters.
- Attendance ~30-60 per session.

Agenda

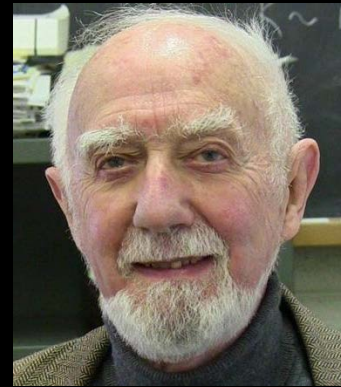
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Obituaries

Raúl Baragiola (1945-2015)



Alexander Dalgarno (1928-2015)



Charles Townes (1915-2015)



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2016 Prizes

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.

Cash award, citation, & invited talk at LAD meeting.

2016 Prizes

Nomination package (due Mon 7 Sep 2015)

- 1-page narrative description.
- CV.
- Publication list.
- Other helpful material.
- 3 letters of reference.
- Self-nominations accepted.
- Send to ladsec@aas.org by deadline.

Recipient announced Fall 2015; awarded Jun 2016.

Nominees not selected considered for next 2 years.

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The Future

Membership

- Five year campaign to grow to 250 members.
- Gift for bringing in 2 new members.

Grow treasury

- Fund raise for prizes.

Strengthen connection with other AAS units

- DPS (Bonnie Burati, Chair).

Reach out to relevant IAU, ACS, & APS units

Member involvement

- Committees (Meeting, Nominating, Prize).
- Public outreach events at meetings.
- Suggestions and Feedback.