

Day 1, Monday, September 19th La Jolla Beach & Tennis Club

- 7:50 AM Walk over to Beach & Tennis Club
8:00 – 8:45 Full breakfast buffet in La Sala Room (*included in registration fee*)

Meeting in Walnut Room

Welcome and Introduction

- 8:45 – 9:00 Murat AYDIN – *Welcome and opening remarks*
9:00 – 9:20 Eric SALTZMAN – *Comments from NSF*

Session 1: South Pole Ice Core Update

Moderator: Murat Aydin

- 9:20 – 9:40 Mark TWICKLER – *South Pole Ice Core Update*
9:40 – 10:00 Jay JOHNSON – *Update on South Pole Ice Core Drilling*
10:00 – 10:20 Break

Session 2: Timescale

- 10:20 – 10:40 Erich OSTERBERG – *The Annual Layers and Paleoclimate Record Preserved in High-Resolution SPICEcore Chemistry and Microparticle Data*
10:40 – 11:00 John FEGYVERESI – *Extending the SPICEcore Ice Timescale: Annual resolution to 734m (10.2ka) and volcanic matching 1078-1462m (19.7-39.3ka)*
11:00 – 11:20 Ed BROOK – *Preliminary CH₄ data and gas age scale for the South Pole ice core*
11:20 Discussion (*moderated by Aydin*)

12:00 – 1:30 Lunch (*included in registration fee*)

Session 3: Isotopes and Gases

Moderator: T.J. Fudge

- 1:30 – 1:50 Emma KAHLE – *The South Pole High-Resolution Water Isotope Record*
1:50 – 2:20 Jeff SEVERINGHAUS – *Firn thickness and temperature change from $\delta^{15}\text{N}$ and $\delta^{40}\text{Ar}$ during the last glacial period at South Pole*
2:20 – 2:40 Discussion (*moderated by Fudge*)

Poster Session (La Sala Room)

- 2:40 – 5:00 Poster viewing and hors d'oeuvre (*included in registration fee*)
- Jihong COLE-DAI – *Perchlorate in Antarctic snow: Implications for atmospheric production and preservation in snow*
- David FERRIS – *Holocene Volcanic Record Potential from South Pole*
- Louise HUFFMAN – *IDPO-IDDO Education and Public Outreach*
- Abigail THAYER – *Continuous-flow, triple-isotope-ratio isotope measurements on the South Pole ice core*
- Dominic WINSKI – *Evaluating the climate signal in the SPICE accumulation record during the last millennium*
- 6:00 PM Dinner on the beach at Beach & Tennis Club (*included in registration fee*)
- At the beach dinner there will be bar service. However, the Beach and Tennis Club does not accept cash or credit cards for bar service, so we will be selling tickets which will be used to exchange for beverages. Ticket prices include tax and tip. Ticket prices are as follows:*
- Wine: \$11*
- Imported Beer: \$8*
- Domestic Beer: \$7*
- Juice: \$6*
- Soda: \$5*
- If you plan on purchasing drinks during the beach dinner, it will be very helpful if you have small bills or exact change.*

Day 2, Tuesday, September 20th La Jolla Beach & Tennis Club

- 7:50 AM Walk over to Beach & Tennis Club
- 8:00 – 8:45 Full breakfast buffet in La Sala Room (*included in registration fee*)

Meeting in Walnut Room**Session 4: Gases****Moderator: Eric Steig**

- 8:45 – 9:15 Murat AYDIN – *SPICECORE measurements of carbonyl sulfide, methyl chloride, methyl bromide, and other trace gases*
- 9:15 – 9:35 Vas PETRENKO – *Using the South Pole ice core to constrain the past atmospheric carbon monoxide budget*
- 9:35 – 9:55 Mindy NICEWONGER – *Measuring ethane and acetylene in polar ice cores to quantify long-term biomass burning and geologic hydrocarbon emissions*
- 9:55 – 10:10 Discussion (*moderated by Steig*)

10:10 – 10:20 Break

Session 5: Glaciology, etc.

Moderator: Tom Neumann

10:20 – 10:40 T.J. FUDGE – *Impacts of upstream flow on the timescale and cm-scale layering*

10:40 – 11:00 Ed WADDINGTON – *Toward a process-based firn-compaction model: simultaneous measurements of compaction rate, firn temperature, overburden load, impurities, and microstructure, upstream from SPICE Core*

11:00 – 11:20 Ryan BAY – *South Pole synergies with SPICE Core*

11:20 – 12:00 Murat AYDIN and Eric STEIG – *Discussion and wrap-up*

Break-Out Sessions (lunch provided)

12:00 – 3:00 The Walnut Room and La Sala Room are available to us until 3:00PM to allow for small group meetings (*lunch will be provided and is included in registration fee*)

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2000 Spindrift Drive
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When you check into the La Jolla Shores Hotel, you should receive a key to your room and a key that will get you into the Beach & Tennis Club.

Access the Beach & Tennis Club by the gate just south of the Shores Hotel (across from the driveway into the Shores courtyard).

Walk south through the parking lot to the main entrance and ask where the La Sala room is located.