

3rd IAS International Summer School of Sedimentology 2009

Sedimentary Archives of Regional vs. Global Change: Case of Neogene Basins of Southern Spain

Hotel El Dorado Palace¹, Carboneras (Almeria), Spain
4-11 October 2009

Provisional Programme

Lecturers: Drs. Juan Carlos Braga & Jose M. Martin (University of Granada, Spain)
Dr. Peter D. W. Haughton (University College Dublin, Ireland)
Dr. Frits Hilgen (University of Utrecht, The Netherlands)
Drs. Helmut Weissert & Judith A. McKenzie (ETH Zürich, Switzerland)

Participants: 28 Post graduates

Sunday 4 October

14:00 - Arrival in Malaga airport and departure by bus to Carboneras

18:00 Check-in Hotel El Dorado Palace

19:30 Introduction talk (**Braga & Martin**)

DINNER (21:00)

Monday 5 October

BREAKFAST (08:00 – 09:00)

09:00-11:00 - General concepts of carbonate sedimentology (**Braga & Martin**)

BREAK

11:30-13:00 - Tropical and temperate water carbonates (**Braga & Martin**)

LUNCH (13:30 – 15:00)

15:00-17:00 - Evaporites & Dolomite (**McKenzie**)

BREAK

17:30-18:30 - Microbialites (**McKenzie**)

18:30-20:00 – Student Presentations (6 x 15 minute talks)

DINNER (21:00)

¹ <http://www.eldorado-carboneras.com/>

Tuesday 6 October

BREAKFAST (08:00 – 09:00)

09:00 – Depart for field excursion with lunch packages

10:00-18:30 – Introduction to Sorbas Basin (**Braga & Martin**)
Visit 3 localities in Sorbas Basin (stratigraphy, reefs, stromatolites, evaporites)

19:30 – Return to Carboneras

DINNER (21:00)

Wednesday 7 October

BREAKFAST (08:00 – 09:00)

09:00-10:30 – Introduction to cycle stratigraphy/astrochronology (**Hilgen**)

BREAK

11:00 – Depart for field excursion with lunch packages

12:00-16:00 – Visit 1 locality in Sorbas Basin (type section) (**Hilgen**)

17:00 – Return to Carboneras

17:30-19:00 – Computer practical in cycle stratigraphy/astrochronology (**Hilgen**)

19:30-20:30 – Student Presentations (4 x 15 minute talks)

DINNER (21:00)

Thursday 8 October

BREAKFAST (08:00 – 09:00)

09:00 - Depart for ½ day field excursion

09:30-12:30 – Aqua Amarga area (temperate water carbonates)

13:00 – Return to Carboneras

LUNCH (13:30 – 15:00)

15:00-17:00 – C³ = Carbonate-carbon cycle-climate (**Weissert**)

BREAK

17:30-18:30 – C³ = Carbonate-carbon cycle-climate (**Weissert**)

18:30-20:00 – Student Presentations (6 x 15 minute talks)

DINNER (21:00)

Friday 9 October

BREAKFAST (08:00 – 09:00)

09:00-11:00 - General concepts of sediment gravity flow processes (inc. turbidites) (**Haughton**)

BREAK

11:30-13:00 – Controls on deep water sedimentation (**Haughton**)

LUNCH (13:30 – 15:00)

15:00-16:30 - Student Presentations (6 x 15 minute talks)

BREAK

17:00-18:30 - Student Presentations (6 x 15 minute talks)

18:30 – Round table discussion: Sedimentary Archives of Regional vs. Global Change

DINNER (21:00)

Saturday 10 October

BREAKFAST (08:00 – 09:00)

09:00 – Depart for field excursion with lunch packages

10:30-17:00 – Visit localities in Tabernas Basin (**Haughton**)

18:30 – Return to Carboneras

19:30 – Round table discussion: A look into the future; Lessons from the past

DINNER (21:00)

Sunday 11 October

BREAKFAST (07:00 – 08:00)

08:00 – Depart for Malaga airport

12:00 – Arrival at Malaga airport (arrange departure flights from 14:00)