

POLENET/SCAR-SERCE GIA Training School Lecture Recordings
14-18 September, 2015 Gibraltar Island, Lake Erie, Ohio USA

Lecture Session 1: Historical Background – Glacial Isostatic Adjustment (Pippa Whitehouse, Mike Bentley, Holger Steffen)

<http://carmenconnect.osu.edu/p85i26y13s3/>

Lecture Session 2: Introduction to records of GIA and sea level change, static and time-variable gravity (Pippa Whitehouse, Erik Ivins, Holger Steffen)

<http://carmenconnect.osu.edu/p6ylzk69blh/>

Lecture Session 3: Introduction to seismology, seismic discontinuities and mapping earth properties (Doug Wiens)

Lecture: <http://carmenconnect.osu.edu/p6h8p9t0uq9/>

Introduction to SEATREE: <http://carmenconnect.osu.edu/p8iyz5infwj/>

Lecture Session 4: Lithosphere: tectonic history of Antarctica and how it can influence earth properties (Ian Dalziel and Terry Wilson)

<http://carmenconnect.osu.edu/p7n2hq1fmbj/>

Lecture Session 5: Basics of GIA modelling techniques (Wouter van der Wal and Giorgio Spada)

<http://carmenconnect.osu.edu/p9llx28ef7j/>

Lecture Session 6: Introduction to Computer Exercises (Giorgio Spada)

SELEN part 1: <http://carmenconnect.osu.edu/p5i5dasrqmp/>

SELEN part 2: <http://carmenconnect.osu.edu/p84fs0iorkn/>

SELEN part 3: <http://carmenconnect.osu.edu/p3uyak7g2q3/>

Lecture Session 7: Records used to reconstruct ice sheet history (Mike Bentley)

<http://carmenconnect.osu.edu/p8y7p2wzcnf/>

Lecture Session 8: Generating ice history models (Pippa Whitehouse and Erik Ivins)

<http://carmenconnect.osu.edu/p656tvzpluw/>

Lecture Session 9: Rheology, including lateral variation, interpretation of seismic anomalies (Doug Wiens), results from laboratory experiments and conversion equations (Erik Ivins), and finite-element/finite volume modelling (Wouter van der Wal)

<http://carmenconnect.osu.edu/p5mei0x477e/>

Lecture session 10: GIA reference frames and comparison of model predictions with GPS data (Mike Bevis)

<http://carmenconnect.osu.edu/p82nz1nq48j/>

Lecture Session 11: Using data, and data uncertainties, in evaluating and constraining GIA models (examples from Erik Ivins, Pippa Whitehouse, Mike Bevis, Tonie van Dam)

Erik, Pippa, Mike: <http://carmenconnect.osu.edu/p95nocjrvui/>

Tonie: <http://carmenconnect.osu.edu/p4705y0pe6h/>