Garde A. A. Pattison J. Kokfelt T. McDonald I. Secher K.  
*Impact-Triggered, Conduit-Type Ni-Cu Mineralisation, Norite Belt, Maniitsoq Structure, West Greenland* [5006]

There are TWO different types of impact-related, magmatic Ni-Cu (-PGE) deposits: the upper-crustal Sudbury type exsolved from the impact melt sheet, and the lower-crustal Maniitsoq type exsolved from contaminated mantle melts.

Scherstén A. Garde A. A.  
*Complete Impact-Induced Hydrothermal Resetting of Magmatic Zircon, Maniitsoq Structure, West Greenland* [5007]

This is possibly the first record ever of total, regional hydrothermal resetting of magmatic zircon. The $3000.9 \pm 1.9$ Ma age is interpreted as dating massive influx of (sea?) water into the giant impact structure immediately after the impacting.

Keulen N. Garde A. A. Johansson L.  
*Direct Mineral Melting in the Maniitsoq Structure, West Greenland* [5008]

Microtextures of shock-melted minerals in the Maniitsoq structure constitute compelling evidence of impact-induced single mineral melting, and also document differential crustal reverberation during the solidification of each shock-melted phase.

Buchner E. Schwarz W. H. Schmieder M. Trieloff M.  
*Refined $^{40}$Ar/$^{39}$Ar Ages for the Paasselkä (Finland) and Clearwater West (Canada) Impact Structures* [5009]

Our newly obtained Ar-Ar plateau age for the Paasselkä impact ($231.0 \pm 1.7$) confirms previous dating results with improved statistical robustness. The new age for Clearwater West ($286.7 \pm 1.2$ Ma) refines earlier dating results for this impact event.

Kenkmann T. Foster C. Biermanns P.  
*Screening Earth — A Student (Re)search Project to Improve the Terrestrial Impact Crater Record* [5059]

A master-level module at the University of Freiburg is devoted to improve the impact crater record on Earth. The awarded project consists of a systematic survey based on remote sensing data and includes field work at the most promising structures.

Johnson R. C. King D. T. Jr.  
*Domeland: A Possible New Impact Structure in California* [5106]

A possible new impact structure is exposed in the Domeland Wilderness, California, in the southern Sierra Nevada, 200 km north of Los Angles. We are presently searching for shock features, but for now propose the structure may have an impact origin.

*The K-Pg Event-Bed at ODP 207 Reloaded: Search for the Meteoritic Component* [5209]

We report on the search for traces of the Chicxulub bolide in the K-Pg bed drilled in the western tropical Atlantic, using advanced separation techniques and microanalytical tools with high spatial resolution.

Sadilenko D. A. Lorenz C. A. Ivanova M. A. Roshchina I. A. Korochantsev A. V.  
*A New Small Impact Crater in the High Atlas, in the Agoudal Iron Strewnfield* [5215]

A small eroded impact crater was recognized in the High Atlas Mountains (Morocco) during exploration of the Agoudal iron meteorite strewnfield. We suggest that the crater may be a result of the fall of the main mass of the Agoudal iron.
Reimold W. U. Tagle R. Fritz J.  
*X-Ray Spectrometry of Pseudotachylitic Breccia from Vredefort: Further Evidence for In Situ Formation of Melt* [#5238]
X-ray fluorescence mapping of a 0.34 m² sized polished section of a pseudotachylitic breccias (PTB) from the Leeukop hill in the Vredefort Dome shows chemical similarities (including trace elements Rb, Sr, Y and Zr) between the host rock and the melt breccia.

Echaurren J. C.  
*Schrödinger Basin, Moon: Estimation the Impact Conditions* [#5221]
The Schrödinger Basin with a mean diameter of 315 km, and location centered at 75°S, 132.5°E, is the best-preserved impact basin of its size on the Moon.

Ernstson K. Müller W. Neumair A.  
*The Proposed Nalbach (Saarland, Germany) Impact Site: Is it a Companion to the Chiemgau (Southeast Bavaria, Germany) Impact Strewn Field?* [#5058]
Peculiar finds have been attributed to a possible Holocene meteorite impact. They show absolutely identical parallels to impact features from the Chiemgau impact. If the sites can be dated synchronous a 500 km sized impact event might be targeted.

Bauer F. Hiltl M. Rappenglück M. A. Neumair A. Ernstson K.  
*Fe₂Si (Hapkeite) from the Subsoil in the Alpine Foreland (Southeast Germany): Is it Associated with an Impact?* [#5056]
We report on particles containing hapkeite Fe₂Si in conjunction with xifengite and gupeiite, and inclusions of cubic SiC (moissanite) and (Ti,V,Fe)C (khambraevite) and suggest a cosmic origin related with a meteorite impact.

Neumair A. Ernstson K.  
*Peculiar Holocene Soil Layers: Evidence of Possible Distal Ejecta Deposits in the Chiemgau Region, Southeast Germany* [#5057]
We report on peculiar soil horizons at some depth containing strange glass and glass-like particles excluding a delivery by anthropogenic and volcanic activities. A deposition as distal ejecta in the Chiemgau impact event is suggested.

Povenmire H.  
*What on Earth Happened 768 Ka Years Ago?* [#5032]
Description of Australasian strewn field extensions, silicon content related to Connan t crater.

Povenmire H. Cornec J. Cornec L. Burre B.  
*The Central American Tektite Strewn Field Progress Report 2013* [#5036]
Updated findings on the Central American tektite strewn field and relationship to the Australasian tektites.

Burgener J. A.  
*23.4º Ellipsoidal Features on Earth that fit Impact Origins Better than Plate Tectonic Origins* [#5018]
Earth has 16 large lakes, seas, ocean features, and depressions that are ellipsoidal with their major axis ~23.4 degrees. The tilt of the Earth cannot relate to tectonic processes. Impact origins fit the geology better than tectonic origins.

Burgener J. A.  
*Massive Impact Craters and Basins on Earth: Regarding the Amazon as a 3500 km Multi Ring Impact Basin* [#5051]
The Amazon Basin is a multi-ring impact basin. The center has a 500 km diameter layer of ocean basalt. Surrounding and below is intermixed sediments and melt rock. The topography fits the same pattern as the Lunar Orientale Basin.