

## Archaeometallurgy Summer School

UCL Institute of Archaeology  
29 June - 10 July 2015



### Programme:

| Week 1 - Bloomery iron smelting: theory and experiment |  |   |
|--|--|---|
| Date   | Content  | Lecturer                                |
| 29/06  | <b>Foundations of bloomery iron smelting</b><br>- Archaeological examples.<br>- Slag analysis and technological reconstructions.   | Mike Charlton                           |
| 30/06  | <b>Experimental iron smelting workshop in Monkton Up Wimborne, Dorset</b><br>A three-day workshop led by experienced iron smelter Jake Keen. The workshop will focus primarily on the practical aspects of bloomery iron smelting, including ore preparation and roasting, furnace construction, smelting in two types of furnaces (induced and natural draft), slag formation and smithing. Students will be expected to get actively involved in these activities. | Jake Keen,<br>Mike Charlton &<br>Marcos |
| 01/07  |  | Martinón-Torres.                        |
| 02/07  |  |   |
| Week 2 - Archaeometallurgy in the field and in the lab |  |   |
| 06/07  | <b>Archaeometallurgy in the field</b><br>- Mining technology and smelting sites.   | Brigitte Cech                           |
| 07/07  | - Historical sources, field surveys and excavation.  |   |
| 08/07  | <b>Introduction to metallographic analysis</b>   | Eleanor<br>Blakelock                    |
| 09/07  | <b>Introduction to portable XRF analysis in archaeometallurgy</b>  | Marcos<br>Martinón-Torres               |
| 10/07  | <b>Ores, metals, crucibles and slag</b><br>A day handling archaeometallurgical materials from across the world.  | Marcos<br>Martinón-Torres               |

\* **Experimental iron smelting workshop logistics:** Departure from London on Tuesday morning, and return on Thursday evening. We will spend the nights at the nearby Church Farm camping site, which has showers, electricity and all necessary facilities. **Students will be expected to bring their camping gear (tent and sleeping bag).** Most of the day activities will take place outdoors, so waterproof clothing and strong boots will be necessary too. Transport, materials and meals during the workshop are included in the registration fee.

### Registration is essential and places are limited!

For further information or to register, please visit or contact Tere at [maria.plaza.12@ucl.ac.uk](mailto:maria.plaza.12@ucl.ac.uk)

More details at [www.ucl.ac.uk/iams](http://www.ucl.ac.uk/iams)