



It is a 6 min walk from Dartford Station to the bus stop. Leave the station and follow the signs to the High Street. When you arrive at the High Street turn left along it and take the first right. (*Cash Converters is on the corner.*) Busses 96,492, & 428 which pass the school leave from Bus stop L to walk from the station to the school takes at least 25minutes and West Hill is steep.

*You can't pay cash on London Buses; you must use an Oyster card or Bus Pass. Contactless payment is accepted*

If coming by car leave the A2 on the A2018 towards Dartford. This becomes Shepherds Lane after a round-about. Dartford Grammar School for Boys is on the left-hand side at the end of this road. If on the M25 leave it onto the A2 at Junction 2 towards London. There is ample parking at the school. Post Code for Sat Nav DA1 2HW.

**To book places at the conference please contact**

**Mike Clinch,**

**mike.clinch@kentarchaeology.org.uk  
or 0208 304 8359 (mob. 0780 304 4246).**

**Cost £12 in advance or £15 on the day.**

**Lunch available for £10.**

***LUNCH MUST BE PRE-BOOKED***

South East Regional Industrial Archaeology Conference

# SERIAC 2019

Hosted by Kent Archaeological Society

At Dartford Grammar School  
West Hill Dartford DA1 2HW.

Saturday April 13<sup>th</sup> 2019



**09:00 - 09:30 Arrival and Registration**

**09:30 - 09:40 Opening & Welcome Mike Clinch  
Vice President Kent Archaeological Society.**

**09:40 - 10:25 Dr Simon Elliot  
"From Ragstone to Riches"**

This talk will explain how this industry came to be, how the quarries were operated, how the stone was transported, and finally what became of the industry. From the mid-1<sup>st</sup> Century AD to the mid-3<sup>rd</sup> Century AD much of the building stone for Roman London and the south east of the province was provided by five enormous ragstone quarries in the upper Medway Valley. One of these quarries, running alongside Dean Street from Coxheath to Tovil for 2.6km, was a candidate to be the largest man-made hole in Roman Europe. This industry thrived for 200 years, under the management of the Classis Britannica regional navy in Britain.

**10:25 - 11:10 Terry Bird “Tutsham Mill”**

The mill is a linseed crushing plant on the banks of the upper River Medway which burnt down in 1885. Terry will cover: the interchange of technology with the US in the late 19th century (article in Scientific American with details of machinery); the ownership and development by Charles Middleton, Barham (First Sea Lord in 1805); the design by John Rennie (famous civil engineer);

**11:10 – 11:25 Comfort Break**

**11:25 – 12:10 Robert Hall “Sound Mirrors”**

Prior to the development of radar, acoustic techniques were the most promising means of detecting approaching aircraft and airships, culminating in the design and construction of 200ft concrete sound mirrors. Whereas the sound mirror sites at Dungeness, Hythe and Joss Gap have been well documented, other sites have had less attention. This talk discusses the sound mirrors at Fan Bay, East of Dover and some recent research on how they fit in with the developments during and just after WW1.

**12:10 – 12:55 Tim Allen,  
Senior Project Manager at Oxford Archaeology.  
“The excavation and recording of the  
Castle Hill brick and tile works”**

The work is alongside the A21 near Tonbridge, Kent The study was undertaken in advance of the A21 Tonbridge to Pembury Dualling scheme carried out by Balfour Beatty on behalf of Highways England, and Oxford Archaeology undertook the archaeological mitigation, which for the 19th century brickworks comprised 3 kilns, a making shed, 5 drying sheds and two pugmills, as well as clay pits and ponds.

**13:00 – 14:00 Lunch**

Lunch is available if pre-booked.  
It will not be possible to order lunch on the day

**14:15 – 15:00 Elizabeth Walker  
“Short Brothers Aviation at Rochester”**

My talk is about The Lives and Works of the Short Brothers, Pioneering Aeronautical and Balloon Engineers and Manufactures. It also covers their progress in design and manufacture of aircraft until 1947 and covers many innovative and ground-breaking contributions to aviation history.

**15:00 - 15:45 Petra Cox  
Learning and Outreach Officer, Crossness Engines Trust.  
“Crossness Engines”**

Crossness pumping station features some of the most spectacular ornamental Victorian cast iron work to be found in the world today as well as pumping engines carefully restored by trust members

**15:45 - 16:30 Tim Belcher-Whyte MA CEng MICE  
Bridge Engineer to the Rochester Bridge Trust  
“Rochester Bridge”**

There has been a bridge crossing the river Medway at Rochester since Roman times. This talk explores the history and construction of the structures that have provided safe passage for travellers and the challenges of maintaining them through the ages.

**16:30 Closing remarks by Jim Preston  
Chairman of the Kent Archaeological Society  
Industrial Archaeology Committee.**