What’s on today

Wang Yi will give an invited talk titled: Scalable Timing Analysis with Refinement (joint work with Nan Guan, Yue Tang, Jakaria Abdullah, Martin Stigge, and Wang Yi)

Abstract: traditional timing analysis techniques rely on composing system-level worst-case behavior with local worst-case behaviors of individual components. In many complex real-time systems, no single local worst-case behavior exists for each component and it generally requires to enumerate all the combinations of individual local behaviors to find the global worst case. We present a scalable timing analysis technique based on abstraction refinement, which provides effective guidance to significantly prune away state space and quickly verify the desired timing properties. We first establish the general framework of the method, and then apply it to solve the analysis problem for several different real-time task models.

Main Conferences Time Table

900-1000: invited talks
1000-1030: coffee break
1030-1230: parallel sessions
1230-1400: lunch
1400-1600: parallel sessions
1600-1630: coffee break
1630-1800: parallel sessions
Peter John Landin (5 June 1930, Sheffield - 3 June 2009) was a British computer scientist. He was one of the first to realize that the lambda calculus could be used to model a programming language, an insight that is essential to development of both functional programming and denotational semantics. During the 1970s and 1980s, his efforts went into building the Computer Science department in Queen Mary College, developing courses and teaching students. On his retirement, he was appointed Emeritus Professor of Theoretical Computation at Queen Mary, University of London, where in 2012 the Computer Science building was renamed the Peter Landin Building in his honour.

Landin is responsible for inventing the SECD machine, the first abstract virtual machine ever defined, and the ISWIM programming language, defining the Landin off-side rule and for coining the term syntactic sugar. The off-side rule allows bounding scope declaration by use of white spaces as seen in languages such as Miranda, Haskell, Python and F# (using the “light” syntax). He was active in the definition of the ALGOL programming language and cited by Tony Hoare as one of the people who taught him ALGOL 60 and hence facilitated his expression of powerful recursive algorithms.

(source wikipedia)

Banquet at Senate House.

Built in 1936, Senate House is an iconic Art Deco statement on the London skyline (see cover image). The rich history and architecture of this unique venue in London inspired George Orwell and has made it an ideal location for numerous films, TV programmes and fashion shows.

Directions: take Central Line from Mile End station to Holborn station, then take exit Holborn Underground Station (Entrance 2). Head west on High Holborn toward Southampton Row. Turn right onto Southampton Pl. Turn left onto Bloomsbury Square. Continue onto Great Russell St. Turn right onto Montague St. Continue straight onto Russell Square, Turn left. Destination will be on the left (map and directions from Google maps).

Thanks to everybody who attended to the reception. Hope you enjoyed the event. Link to pics available on the ETAPS website.