

CTK Workshop II

Sept. 25th, 2009

Hosted at
Siemens Molecular Imaging
Oxford, UK



Agenda

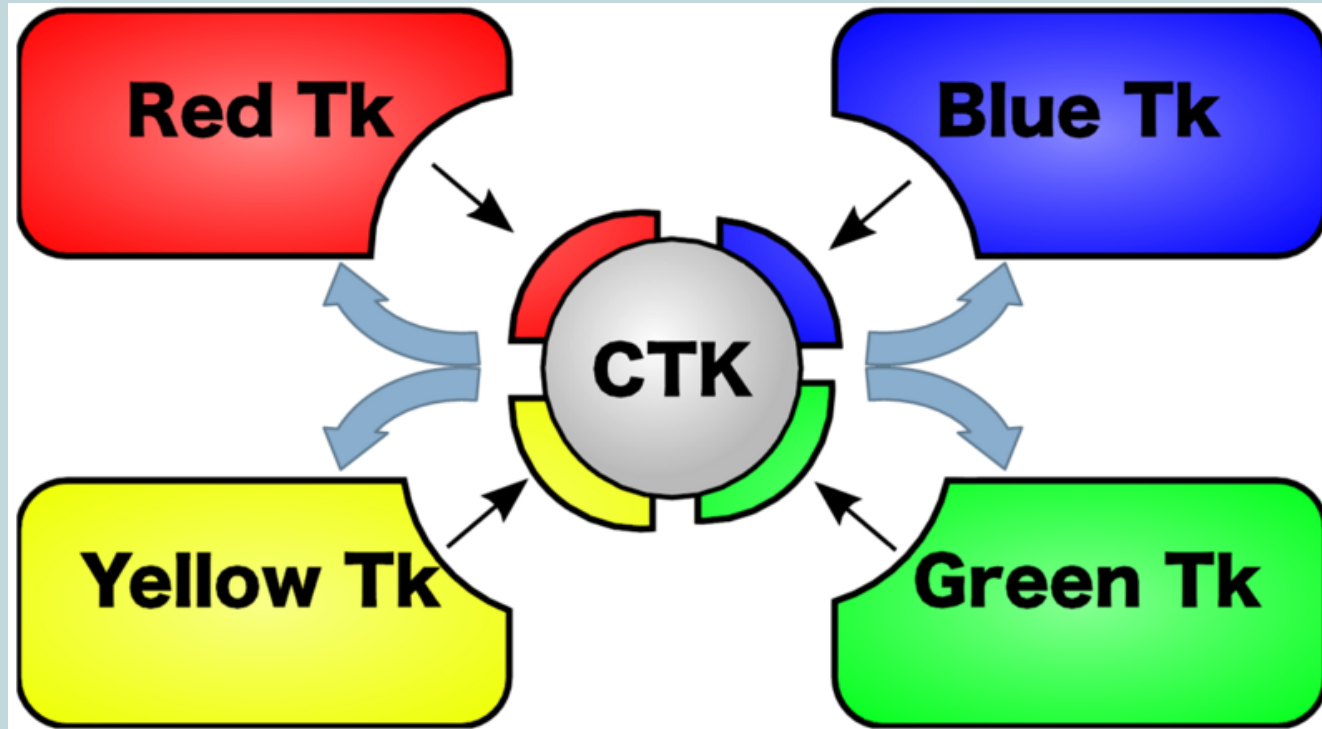
FRIDAY, SEPT. 25th

- 09.00 Relocation from Hotel
- 09.30-10.30 Introductions / Goals
- 10.30-12.00 Architecture
- 12.00-13.00 *-Lunch*
- 13.00-14.00 (*) Scene Graphs
- 14.00-15.00 (*) Database
- 15.00-15.15 *-Break*
- 15.15-16.30 (*) Widgets
- 16.30-17.00 Funding Opportunities
- 17.00-18.00 Action Items
- 18.00-19.00 Brief tour of Oxford landmarks,
followed by drinks at the Turf Tavern
- 19.00-21.30: Dinner at The Living Room restaurant
- ~ Relocation to hotel



(*) May be replaced with other topic, depending on which presentations are available

CTK – Concept from Workshop I



- Common functionality is migrated into CTK
 - CTK also provides infrastructure to support interoperability between toolkits
 - Each Toolkit still retains its own unique design paradigm while using CTK
- More opportunities for collaboration, less effort developing infrastructure

High-Level Requirements from Workshop I

- License: BSD-style
- Common, transatlantic license regarding liability
- No inclusion of patents unless we are granted a license to use it
- Appropriate process and tools to ease quality management
- Language of core library: C++
 - but language bindings to other languages: Java, Python, .NET
- Automated binding generation
- Reuse methods available in Qt by default
- Single click installation for users
- Single click installation for developers
- Support many file formats
- Allow storage of scene graphs
- Should be DICOM-centric
 - DICOM support should be modular so it can evolve
 - taken from existing toolkits (e.g. DCMTK), but
 - consolidated at common place
 - add missing features
 - adaptors that leave actual IO up to the host
 - example: “save scene as DICOM”
- Base Qt-independent(?); on top: Qt-dialogs etc.
- GUI-part must be separable
- C++/Qt reference implementation of WG23 DICOM supplement 118 on Application Hosting
- Include a database (but allow other databases)

Action Items from Workshop I

- Form a consortium:
 - invite more participants for next meeting: OFFIS, Kevin Cleary
 - create Mailing list
- Webpage on www.CommonTK.org incl. logo
- Grants
 - inform each other of grant applications
 - mention CTK in the grant applications

A few discussion topics for Workshop II

Mission Statement

- Review list of goals and action items from previous meeting
- Do we all still agree on what we are trying to accomplish?

Task Selection and Prioritization

- What is the most common functionality among our toolkits?
 - Any ordinary functionality that we can contribute as a first priority (i.e. “Boost” for imaging)
- What is the least common functionality?
 - Topics that emphasize differences between our toolkits likely do not belong in CTK
- What falls somewhat in between?
 - Lower priority

Topics of interest for Architecture discussion

- Common Data Models
- Scene Graph storage/retrieval
- Common Widgets
- Broader DICOM support
- Scripting