IHE XDS & FHIR TRAINING 17.-18.05.2016

IHE and HL7 organize IHE XDS & FHIR training in Helsinki on 17.-18.05.2016!

IHE Finland and HL7 Finland organize a long desired training on IHE XDS and FHIR by bringing renowned experts to Finland. The course will be held in English.

TRAINERS

The trainers are international experts on HL7 integration platforms in healthcare.

René Spronk has studied Informatics at the Twente University of Technology in the Netherlands. He has provided systems integration consultancy in healthcare to hundreds of healthcare provider organizations and application vendors since 1996, using a variety of interoperability standards.

Pascal Pfiffner has studied Medicine, Immunology and Medical Informatics at Bern University and Harvard Medical School. He is currently working on SMART on FHIR and clinical trials technologies including ResearchKit.

PRICES

The course is divided into two days and two subjects. You can attend either on one or two days.

- For members of HL7 Finland and IHE Finland
  - 1-day training 400€ + vat
  - 2-day training 600€ + vat
- For others:
  - 1-day training 1500€ + vat
  - 2-day training 2000€ + vat

Join HL7 Finland and IHE Finland http://www.hl7.fi/hl7-finland-liity-yhdistykseen/.

SIGN UP

You can sign up by sending email to IHE project secretary Elisa Laurila at elisa.laurila@csamhealth.com with subject “IHE & FHIR training”. There’s limited number on attendees for the course (30), so sign up soon!

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DAY 1 - IHE XDS

Learning goals:

- to learn the essentials of XDS (and related IHE profiles), using both Webservices/REST, but mainly to cover the transport-independent aspects.

Agenda:

- Overview of core IHE processes and terms
  - IHE organizational, process aspects, Connectathon
- A functional overview of XDS and XDS-I
  - cross-enterprise sharing of documents, document based EHR
  - metadata update (MUP), metadata based subscription (DSUB)
  - Affinity domain issues (also: CT, PIX/PDQ/PAM, SVS, ATNA)
- Enterprise Content management (ECM)
  - Long term archival of clinical data (inclusive of images)
  - Information Lifecycle Management (ILM), Retention policy, Migration Issues
- Documents and Document metadata
  - Document metadata, XDS Metadata
  - Document standards: e.g. CDA, DICOM SR, DICOM KOS, PDF/A3
  - Exercise: document metadata
- XDS in-depth: details of the XDS, XDS-I, XDR/XDM profiles
- Access control and Authentication
  - Overview of the EUA, XUA - user authentication, user directories
  - Overview of Patient Consent related profiles (BPPC)
  - Centralized Policy Registries, XACML
- Cross affinity domain issues, XCA, XCA-I for DICOM images
- Summary

Prerequisites for attendees: little or no knowledge of IHE XDS; general IT knowledge; familiarity with workflows in healthcare.

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DAY 2 - FHIR

FHIR is the newest interoperability platform from HL7, building on the strengths of Version 2 and the Clinical Document Architecture (CDA®), while supporting modern interchange technologies and significantly easing implementation

Learning goals:

- learn what IHE offers for mobile app developers
- understand the relationship between IHE profiles and HL7 FHIR, e.g. when to use MHD and FHIR Documents and when to use pure FHIR resources
- understand the options for authentication of users and services
- learn best practices around the development of apps for personal health record (PHR) needs.

Agenda:

- FHIR crash course (2 hours)
- IHE Mobile profiles
  - IHE MHD,
  - IUA (overview),
  - PDQm,
  - RESTful ATNA
- RESTFul DICOM (overview)
- Security and access control
  - HTTPS, OAuth, OAuth Profiles
  - Provenance, AuditEvent resources
  - Patient Consent
  - Meta Tags
- Existing FHIR libraries for mobile app development
- SMART on FHIR
  - Demo of a FHIR based clinical app
- Discussion about PHR app development

Prerequisites: little or no knowledge of HL7 FHIR; basic XDS knowledge (learned during the first day or elsewhere); general IT knowledge.