2nd ESWC Summer School

John Domingue
Knowledge Media Institute, The Open University, UK & STI International

Kalamaki, Crete, May 2012
http://summerschool2012.eswc-conferences.org/
A little history

- KnowledgeWeb Network of Excellence
  - Summer school in Cercedilla (est. 2003)
  - ESWC Conference (ESWS) (est. 2004)
- REWERSE Reasoning Summer School (est. 2005)
- Asian Semantic Web School (est. 2007)
- Semantic Computing Summer School in Berkeley (est. 2009)
- 1st ESWC Summer School (2011)
Why are we here?
Developing the next SW generation

AI Ten to Watch

Marta Sabou
MODUL University Vienna

Mathieu d’Aquin
The Open University

Tom Heath
Talis
Becoming (very) Famous Semantic Web Scientists

- Semantic Web research area
  - Technical knowledge and skills
- Non-technical knowledge and skills
Non-Technical Knowledge and Skills
Non Technical Topics

• Communication skills
  – Presentation skills
  – Communication in meetings
  – Communication with your supervisor/boss/staff/peers

• Collaboration skills

• Leadership skills

• Social skills

• Sunny dispositionness
How are we going to achieve this?
Learning by doing, interacting and critiquing

• Practical, constructivist orientation
  – Tutorial sessions are followed by hands-on practical sessions
  – Students produce their own work in a mini-project
• Intensive interaction with peers and experts
  – Both informally and through formal events, such as mini-project and poster session
• Formal tutorial and practical sessions augmented by invited talks of a broader nature by recognised authorities in the field
The Tutors

Aiden Hogan  
SW Languages and Standards, Large-scale Sem. Data Mngt

Dan Brickley  
Linked Open Data

Denny Vrandečić  
Linked Open Data

Elena Simperl  
Building and Using Ontologies

Barry Norton  
SW Languages and Standards, Large-scale Sem. Data Mngt, Building Semantic Applications

Matthew Rowe  
Social Semantics
Keynote Speakers

Enrico Franconi
Free University of Bozen-Bolzano

Chris Welty
IBM Research

John Domingue
KMl, The Open University & STI International

Spyros Kotoulas
IBM Research

Marko Grobelnik
Jozef Stefan Institute

Lora Aroyo
Free University of Amsterdam
Mini-Project

- Co-ordinated by Barry Norton
- Collaborative work in groups of 4 or 5
- Key component of implementation of constructivist/hands-on ethos
- Key objectives
  - Explore a research issue in some depth
  - Experience collaborative work under time pressure
  - Have fun
  - Maybe win a prize
    - Student presentations (10 min per group) on Saturday am
    - Presentations to Barry by Dinner on Friday!
Mini-Project: What we ask from you

• Be creative!
  – Focus on idea generation and functional design, rather than implementation
  – Get approval from a tutor!
• Collaborate with your team members
• Best projects tend to focus on interesting and novel application of semantic technologies
Publications from mini-projects


Poster Session

- Coordinated by Elena
- Every attendee presents a poster!
  - Typically on PhD topic
  - Put posters up between 5 and 8 today and tomorrow
- Each poster will be assigned a tutor
- Enables you to get high quality feedback on your ideas
- You get a glimpse of what each of you are doing
  - Help in formation of mini-project groups
- Prize for the best poster
- Posters too can be published!
Summer School Timetable (Monday)

- 08:15 - 09:00  Registration
- 09:00 - 09:15  Opening: John Domingue
- 09:15 - 10:15  Keynote: Enrico Franconi
- 10:15 - 10:30  Coffee break
- 10:30 - 12:30  Tutorial Semantic Web Languages and Standards
                 Aidan Hogan, Barry Norton
- 12:30 - 14:00  Lunch break
- 14:00 - 15:00  Tutorial Large-scale Semantic Data Management
                 Aidan Hogan, Barry Norton
- 15:00 - 17:00  Hands-on Semantic Web Languages and Standards
                 Aidan Hogan, Barry Norton
- 20:00  Poster session and opening reception
         Elena Simperl
Summer School Timetable (Tuesday)

- **09:00 - 09:15** Administrative issues
- **09:15 - 10:15** Keynote: John Domingue
- **10:15 - 10:30** Coffee break
- **10:30 - 11:30** Tutorial Linked Open Data
  - Dan Brickley and Denny Vrandečić
- **11:30 - 12:30** Hands-on Linked Open Data
  - Dan Brickley and Denny Vrandečić
- **12:30 - 14:00** Lunch break
- **14:00 - 14:30** Student project kick-off (Barry Norton)
- **14:30 - 15:30** Tutorial Building and Using Ontologies (Elena Simperl)
- **15:30 - 17:00** Hands-on Building and Using Ontologies (Elena Simperl)
- **20:00** Poster session continued and dinner (Elena Simperl)
Summer School Timetable (Wednesday)

- 09:00 - 09:15  Administrative issues
- 09:15 - 10:15  Keynote: Spyros Kotoulas
- 10:15 - 10:30  Coffee break
- 10:30 - 11:30  Building Semantic Applications  
                  Barry Norton
- 11:30 - 12:30  Hands-on Building Semantic Applications  
                  Barry Norton
- 12:30 - 14:00  Lunch break
- 14:00 - 15:00  Tutorial Social Semantics  
                  Matthew Rowe
- 15:00 - 16:00  Hands-on Social Semantics (Matthew Rowe)
- 16:00  Excursion
- 20:00  Dinner, possibly as part of the excursion
Summer School Timetable (Thursday)

• 09:00 - 09:15  Administrative issues
• 09:15 - 10:15  Keynote: Lora Aroyo
• 10:15 - 10:30  Coffee break
• 10:30 - 12:30  Student project work (tutors available)
• 12:30 - 14:00  Lunch break
• 14:00 - 18:00  Student project work (tutors available)
• 20:00         Dinner
Summer School Timetable (Friday)

- 09:00 - 09:15  Administrative issues
- 09:15 - 10:15  Keynote: Chris Welty
- 10:15 - 10:30  Coffee break
- 10:30 - 11:30  Keynote: Marko Grobelnik
- 11:30 - 12:30  Student project work (tutors available upon request)
- 12:30 - 14:00  Lunch break
- 14:00 - 18:00  Student project work (tutors available upon request)
- 20:00  Dinner
- 22:00  Party
Summer School Timetable (Saturday)

- 09:00 - 12:00  Student project presentations
- 12:00 - 12:30  Break and deliberation of judges
- 12:30 - 13:00  Award ceremony and closing
- 13:00  Transfer to the ESWC2012
Finally
Have Fun!
Learning by having fun

• We know people learn more if they enjoy themselves
• Social Programme
  – Excursion on Wednesday
  – Party and disco on Friday
  – Other events are encouraged!
Final Final Tips

• ‘Soft’ Skills are Important
• Process rather than results
• If you are stuck or confused please ask
• Have fun!
Wireless
  - SSID eswc-school
  - password “eswc2012”

#eswcss2012
Thanks!