

# 2nd ESWC Summer School

John Domingue

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

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<http://summerschool2012.eswc-conferences.org/>

- KnowledgeWeb Network of Excellence
  - Summer school in Cercedilla (est. 2003)
  - ESWC Conference (ESWS) (est. 2004)
- REVERSE Reasoning Summer School (est. 2005)
- Asian Semantic Web School (est. 2007)
- Semantic Computing Summer School in Berkeley (est. 2009)
- 1<sup>st</sup> 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

- 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



*John Domingue*  
KMi, The Open University &  
STI International



*Spyros Kotoulas*  
IBM Research



*Chris Welty*  
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

- Cregan, A., Mochol, M., Vrandecic, D. and Bechhofer, S. (2005) *Pushing the limits of OWL, Rules and Protege - A simple example*. In Bernardo Cuenca Grau, Ian Horrocks, Bijan Parsia, Peter Patel-Schneider, OWL: Experiences and Directions, Co-located with ISWC 2005, Galway, Ireland, November, 2005
- Mochol, M., Cregan, A., Vrandecic, D. and Bechhofer, S. (2008) *Exploring OWL and rules: a simple teaching case* International Journal of Teaching and Case Studies (IJTCS), 1, (4), Seiten 299 - 318, November, 2008
- Tanasescu, V. and Streibel, O. (2007) *Extreme Tagging: Emergent Semantics through the Tagging of Tags*. Workshop: International Workshop on Emergent Semantics and Ontology Evolution (ESOE 2007), in conjunction with the ISWC 2007 Conference, Busan, Korea.
- Thalhammer, A., Ermilov, T., Nyberg, K., Santoso, A. and Domingue, J. (2011) *MovieGoer - Semantic Social Recommendations and Personalised Location-Based Offers*, Poster at International Semantic Web Conference

- 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!
- Aurlona Gerber, Alta Van der Merwe and Andries Barnard. A Functional Semantic Architecture. European Semantic Web Conference, 2008

# 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!**

- 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”
- #eswc2012

**Thanks!**

