

UU/SIKS Symposium on Natural Language in Requirement Engineering




































Utrecht University



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Requirements Engineering Lab
Utrecht University, the Netherlands
November 30, 2017

Welcome!

<p>Davide Dell'Anna Utrecht University The Netherlands</p> 	<p>Sjaak Brinkkemper Utrecht University The Netherlands</p> 	<p>Jennifer Horkoff Chalmers / Univ. of Gothenburg Sweden</p> 	<p>Miro Lucassen</p> 	<p>Okke Lucassen</p> 	<p>Peter Struwe</p> 
<p>Krzysztof Wnuk Mikinge Institute of Technology Sweden</p> 	<p>Tao Yue Simula Research Laboratory Norway</p> 	<p>Paola Spoletini Kansas State University United States</p> 	<p>Klaus Schmid University of Kildesheim Germany</p> 	<p>Micaela Garcia Parente Utrecht University The Netherlands</p> 	<p>Armel Lefebvre Utrecht University The Netherlands</p> 
<p>Bert de Broek University of Groningen The Netherlands</p> 	<p>Simone Bürsner Hochschule Bonn-Rhein-Sieg Germany</p> 	<p>Erik Kamsties Fachhochschul Dortmund Germany</p> 	<p>Bilge Yigit Ozkan Utrecht University The Netherlands</p> 	<p>Jan Martijn van der Werf Utrecht University The Netherlands</p> 	<p>Martin Glinz University of Zurich Switzerland</p> 
<p>Nicolas Sannier University of Luxembourg Luxembourg</p> 	<p>Oscar Pastor Polytechnic University of Valencia Spain</p> 	<p>Alessio Ferrari CNR-ISTI Italy</p> 	<p>Andreas Opdahl University of Bergen Norway</p> 	<p>Marcel Robeer Utrecht University The Netherlands</p> 	<p>Alireza Shojafar ETHZ Switzerland</p> 
<p>Hans-Bernd Kittlaus InnoTivum Consulting, ISPMIA Germany</p> 	<p>Garm Lucassen Utrecht University The Netherlands</p> 	<p>Fabiano Dalpiaz Utrecht University The Netherlands</p> 			
<p>Lionel Briand University of Luxembourg Luxembourg</p> 	<p>Maya Daneva University of Twente The Netherlands</p> 	<p>Yves Wautelet KU Leuven Belgium</p> 			
<p>Vincenzo Gervasi University of Pisa Italy</p> 	<p>F. Basak Aydemir Utrecht University The Netherlands</p> 	<p>Angelo Susi Fondazione Bruno Kessler Italy</p> 			

A simple requirement

- ▶ The symposium should be engaging, when possible

Tip #1: well-written requirements

- ▶ **The** symposium should be **engaging**, **when** possible
- ▶ Which symposium?
- ▶ How much engaging?
- ▶ **How do I know when this is possible?**

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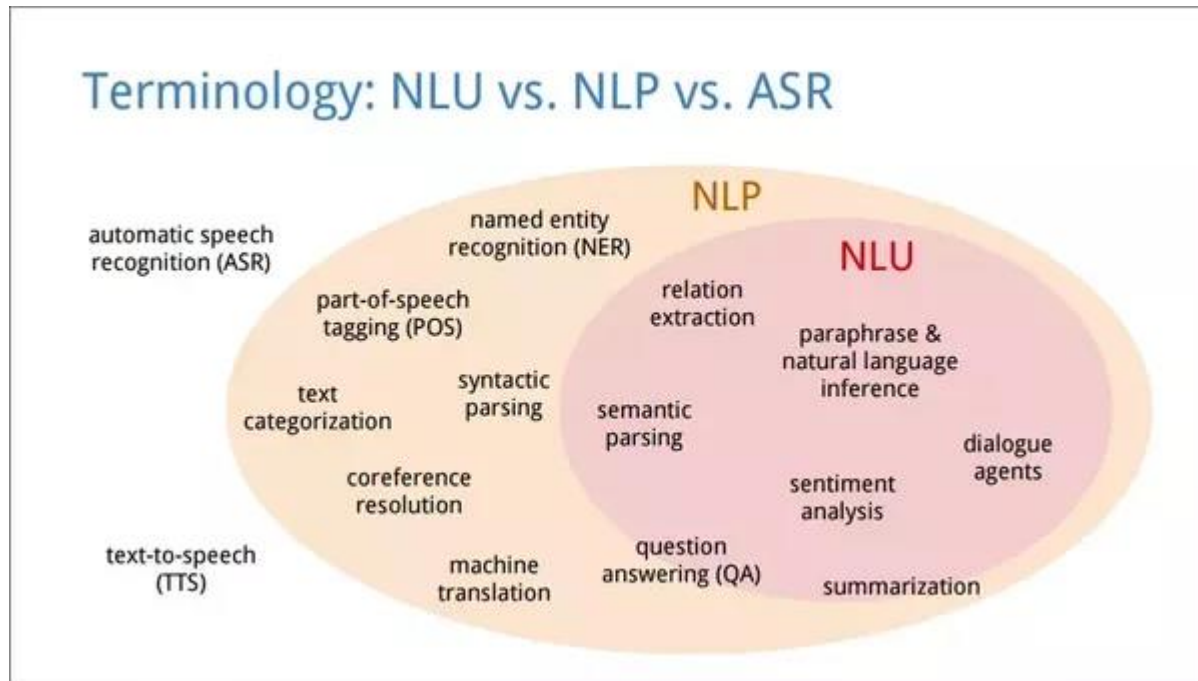
From Contract Drafting to Software Specification:
Linguistic Sources of Ambiguity

A Handbook

Version 1.0

Automation to the rescue

- ▶ A vast repertoire of techniques
 - ▶ Many of which employed in the RE field



Towards the future?

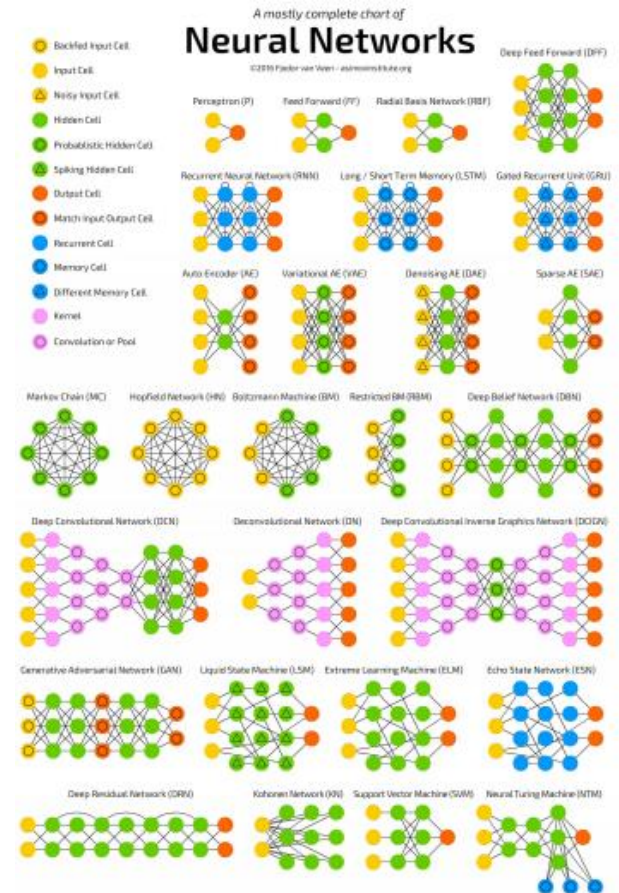
Of Forms and Structures

How different neural architectures fit different RE problems

VINCENZO GERVASI

Dipartimento di Informatica - Università di Pisa

► Keynote at AIRE 2017 in Lisbon



Back to today – symposium’s schedule

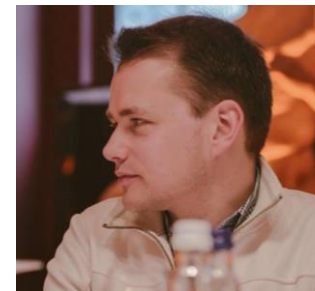
Session I		
9.15-9.25	Fabiano Dalpiaz Utrecht University The Netherlands	Introduction
9.25-10.00	Lionel Briand Université du Luxembourg Luxembourg	Analyzing Natural-Language Requirements: Industrial needs and scalable solutions
10.00-10.25	Paola Spoletini Kennesaw State University USA	A comprehensive approach to support the analyst before, during, and after requirements elicitation interviews



+ coffee

Back to today – symposium’s schedule

Session 2		
10.45-11.10	Alessio Ferrari National Research Council Italy	Ambiguity in Requirements Engineering
11.10-11.35	Maya Daneva University of Twente The Netherlands	What do we know about the actual use of crowdsourced feedback in support of RE activities?
11.35-12.10	Yves Wautelet Katholieke Universiteit Leuven Belgium	Using a Goal-Driven Approach to Structure User Story Sets



+ lunch

Back to today – symposium’s schedule

Session 3		
13.15-13.50	Vincenzo Gervasi University of Pisa Italy	History and Evolution of NLP approaches for RE
13.50-14.15	Garm Lucassen Utrecht University The Netherlands	Understanding User Stories: Computational Linguistics in Agile Requirements Engineering
14.15-14.30	Fabiano Dalpiaz Utrecht University The Netherlands	Discussion and wrap-up

