JELIA 2010
Conference Booklet

12th European Conference on Logics in Artificial Intelligence

September 13 – 15, 2010, Helsinki, Finland

UNIVERSITY OF HELSINKI

A?
Aalto University

Contents

1 Program Overview

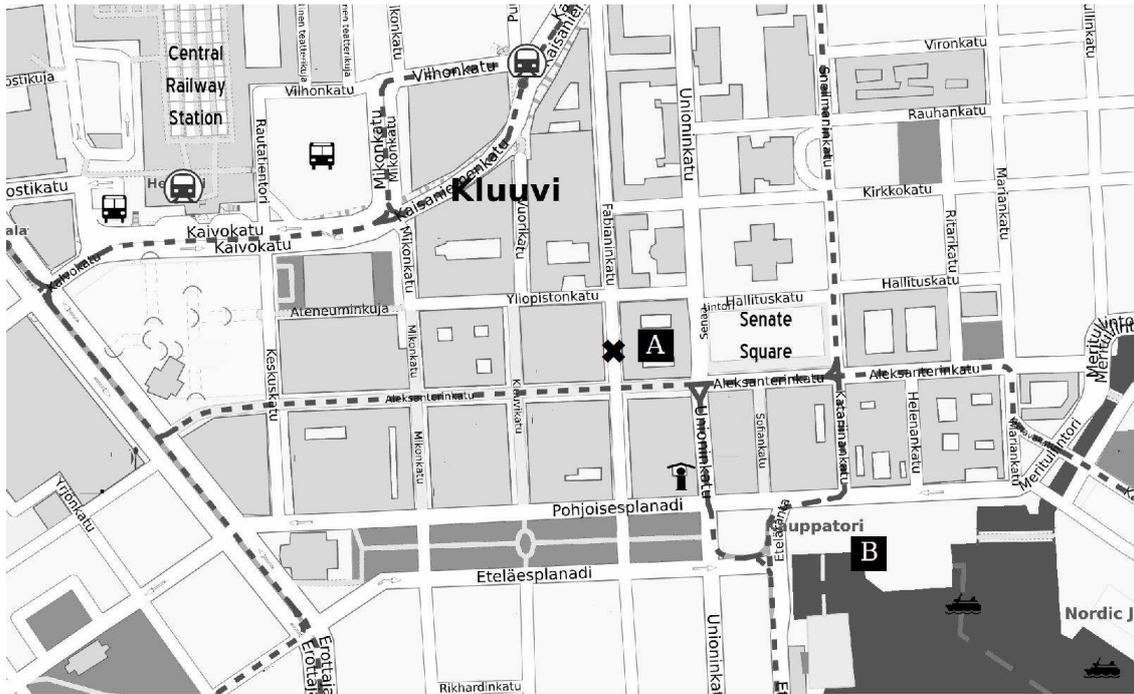|	MONDAY	TUESDAY	WEDNESDAY	
9:00	Welcome	Session 6: Invited Talk	Session 10: Invited Talk	9:00
10:00	Session 1: Causality	Coffee break	Coffee break	10:00
	Coffee break	Session 7: Non–Monotonic Logic	Session 11: Model Search	
11:00	Session 2: Logic Programming			11:00
12:00			Session 12: Multi–Context Systems	12:00
13:00	Lunch break	Lunch break	Lunch break	13:00
14:.00	Session 3: System Descriptions and Demonstrations	Session 8: Description Logics I	Session 13: Paraconsistency and Uncertainty	14:.00
15:00	Coffee break		Coffee break	15:00
16:00	Session 4: Answer Set Programming	Coffee break	Session 14: Description Logics II	16:00
		Session 9: Argumentation	Closing	
17:00				17:00
18:00				18:00
19:00	Session 5: Invited Talk	Excursion and Banquet		19:00
20:00	Opening Reception			20:00
21:00				21:00
22:00				22:00
23:00				23:00

Figure 1: Location of the main building of University of Helsinki marked with A, the entrance at Fabianinkatu 33 marked with X, and the departure point of the excursion and banquet on Tuesday marked with B (m/s RoyalCat).

2 Practical Arrangements

The scientific program of JELIA 2010 takes place in the main building ("Päärakennus") of University of Helsinki, which is located at *Fabianinkatu 33* (see Figure 1[1]) at the University of Helsinki City Centre Campus. The conference takes place in the second festive hall ("Pieni juhlasali") of the main building. The conference hall is best reachable using the Fabianinkatu entrance (and not the festive Unioninkatu entrance on the other side of the building). To get to the conference hall, take the elevator or the stairs directly to the 4th floor from the lobby.

2.1 Registration

The registration desk is located on the fourth floor right beside the conference hall. The registration desk is open:

- Monday 8:30–19:30
- Tuesday 8:30–17:00
- Wednesday 8:30–17:00

2.2 Internet Access

At the conference site there is a wireless HUPnet network named (SSID) "Univ Helsinki HUPnet". An user id and password for HUPNet are provided for participants upon registration.

---

[1]The map is modified from "Map of central Helsinki" by Jpatokal at http://wikitravel.org/shared/Image:Helsinki-Center.png, CC by-sa 2.0 licence.

Connection to wireless HUPnet requires a WLAN-adapter that supports either 802.11b or 802.11g standard, and HUPnet login page uses a certificate signed by Sonera. Your web browser has to be SSL capable and the use of any proxy servers must be disabled.

You can log in to HUPnet with web browser authentication.

- Start your web browser
- In case the browser does not find any pages, go to the default home page of the browser
- The browser is redirected to the HUPnet login page
- Give your username and password
- If the login is successful, the browser will announce it to you
- The connection is open as long as the computer is connected into the HUPnet.

3   Detailed Schedule

Sunday, September 12th, 2010

- **19:00** Informal Get-Together (for details, see Section 5)

Monday, September 13th, 2010

- **09:15–09:30** Welcome

- **09:30–10:30** Session 1: Causality *(Chair: José Júlio Alferes)*

    – Vladimir Lifschitz and Fangkai Yang: Translating First-Order Causal Theories into Answer Set Programming

    – Joost Vennekens, Marc Denecker, and Maurice Bruynooghe: Embracing Events in Causal Modelling: Interventions and Counterfactuals in CP-Logic

- **10:30–11:00** Coffee Break

- **11:00–12:30** Session 2: Logic Programming *(Chair: Pedro Cabalar)*

    – Angelos Charalambidis, Konstantinos Handjopoulos, Panos Rondogiannis, and William Wadge: Extensional Higher-Order Logic Programming

    – Flávio Cruz and Ricardo Rocha: Retroactive Subsumption-Based Tabled Evaluation of Logic Programs

    – Terrance Swift and David Warren: Tabling with Answer Subsumption: Implementation, Applications and Performance

- **12:30–14:00** Lunch Break

- **14:00–15:30** Session 3: System Descriptions and Demonstrations *(Chair: Matti Järvisalo)*

    – Seif El-Din Bairakdar, Minh Dao-Tran, Thomas Eiter, Michael Fink, and Thomas Krennwallner: The DMCS Solver for Distributed Nonmonotonic Multi-Context Systems

    – Markus Bögl, Thomas Eiter, Michael Fink, and Peter Schüller: The MCS-IE System for Explaining Inconsistency in Multi-Context Systems

    – Martin Gebser, Torsten Grote, and Torsten Schaub: Coala: A Compiler from Action Languages to ASP

    – Marco Maratea, Francesco Ricca, and Pierfrancesco Veltri: $\mathrm{DLV^{MC}}$: Enhanced Model Checking in DLV

    – Michael Morak, Reinhard Pichler, Stefan Rümmele, and Stefan Woltran: A Dynamic-Programming Based ASP-Solver

- **15:30–17:00** Session 4: Answer Set Programming *(Chair: Michael Fink)*

    – Pedro Cabalar: A Normal Form for Linear Temporal Equilibrium Logic

    – Yin Chen, Hai Wan, Yan Zhang, and Yi Zhou: dl2asp: Implementing Default Logic via Answer Set Programming

    – Ricardo Gonçalves and José Júlio Alferes: Parametrized Logic Programming

- **18:45–19:45** Session 5: Invited Talk jointly with PGM 2010 *(Chair: Ilkka Niemelä)*

  – Adnan Darwiche: Relax, Compensate and Recover: A Theory of Anytime, Approximate Inference (see Section 4 for details)

- **20:00–22:00** Reception (for details see Section 5)

Tuesday, September 14th, 2010

- **09:00–10:00** Session 6: Invited Talk *(Chair: Tomi Janhunen)*

  – Gerhard Brewka: Non-Monotonic Tools for Argumentation (see Section 4 for details)

- **10:00–10:30** Coffee Break

- **10:30–12:30** Session 7: Non-Monotonic Logic *(Chair: Torsten Schaub)*

  – Mikolas Janota, Radu Grigore, and Joao Marques-Silva: Counterexample Guided Abstraction Refinement Algorithm for Propositional Circumscription
  – Costas Koutras and Yorgos Zikos: Stable Belief Sets Revisited
  – David Pearce and Levan Uridia: Minimal Knowledge and Belief via Minimal Topology
  – ZhiQiang Zhuang and Maurice Pagnucco: Horn Contraction via Epistemic Entrenchment

- **12:30–14:00** Lunch Break

- **14:00–15:30** Session 8: Description Logics I *(Chair: Terrance Swift)*

  – Giovanni Casini and Umberto Straccia: Rational Closure for Defeasible Description Logics
  – Szymon Klarman and Victor Gutierrez-Basulto: $\mathrm{ALC}_{\mathrm{ALC}}$: a Context Description Logic
  – Markus Krötzsch: Efficient Inferencing for OWL EL

- **15:30–16:00** Coffee Break

- **16:00–17:00** Session 9: Argumentation *(Chair: Ofer Arieli)*

  – Nadia Creignou, Johannes Schmidt, Michael Thomas, and Stefan Woltran: Sets of Boolean Connectives That Make Argumentation Easier
  – Chiaki Sakama, Martin Caminada and Andreas Herzig: A Logical Account of Lying

- **18:00–22:30** Excursion and Banquet (see Section 5 for details)

Wednesday, September 15th, 2010

- **09:00–10:00** Session 10: Invited Talk *(Chair: Ilkka Niemelä)*

  – Stéphane Demri: Counter Systems for Data Logics (see Section 4 for details)

- **10:00–10:30** Coffee Break

- **10:30–11:30** Session 11: Model Search *(Chair: Tommi Junttila)*

- – Martin Gebser, Orkunt Sabuncu, and Torsten Schaub: An Incremental Answer Set Programming Based System for Finite Model Computation

  – Hanne Vlaeminck, Johan Wittocx, Joost Vennekens, Marc Denecker, and Maurice Bruynooghe: An Approximate Method for Solving $\exists\forall$ SO Problems

- **11:30–12:30** Session 12: Multi-Context Systems *(Chair: Chiaki Sakama)*

  – Seif El-Din Bairakdar, Minh Dao-Tran, Thomas Eiter, Michael Fink, and Thomas Krennwallner: Decomposition of Distributed Nonmonotonic Multi-Context Systems

  – Thomas Eiter, Michael Fink, and Antonius Weinzierl: Preference-Based Inconsistency Assessment in Multi-Context Systems

- **12:30–14:00** Lunch Break

- **14:00–15:00** Session 13: Paraconsistency and Uncertainty *(Chair: Stefan Woltran)*

  – Ofer Arieli and Anna Zamansky: Similarity-Based Inconsistency-Tolerant Logics

  – Theofrastos Mantadelis, Ricardo Rocha, Angelika Kimmig, and Gerda Janssens: Pre-processing Boolean Formulae for BDDs in a Probabilistic Context

- **15:00–15:30** Coffee Break

- **15:30–16:30** Session 14: Description Logics II *(Chair: Emilia Oikarinen)*

  – Loris Bozzato, Mauro Ferrari, Camillo Fiorentini, and Guido Fiorino: A Decidable Constructive Description Logic

  – Michael Fink and David Pearce: A Logical Semantics for Description Logic Programs

- **16:30–16:45** Closing

4 Invited Talks

Relax, Compensate and Recover: A Theory of Anytime, Approximate Inference

- **Monday, September 13th, 18:45–19:45**
- **Speaker:** Adnan Darwiche (UCLA, USA)
- **Abstract:** I will present in this talk a theory of anytime, approximate inference, which explains some of the most influential algorithms in probabilistic reasoning, yet is based on one of the older ideas in symbolic reasoning: Relaxations. According to this theory, the fundamental notion of approximation is that of "relaxing" logical constraints (equalities in particular) for the purpose of decomposing a problem into smaller pieces that can be solved independently. A second fundamental notion is that of "compensation", which calls for imposing weaker and, typically, probabilistic notions of equality to compensate for the relaxed equalities. The third fundamental notion of the presented theory is that of "recovery," where some of the relaxed equalities are incrementally recovered, based on an assessment of their impact on improving the quality of approximations. I will discuss how this theory subsumes one of the most influential algorithms in probabilistic inference: loopy belief propagation and some of its generalizations. I will also discuss the relationship between this theory and current developments in symbolic reasoning – in particular, how advances in knowledge compilation can impact the state of the art in approximate (and exact) probabilistic inference.

Non-Monotonic Tools for Argumentation

- **Tuesday, September 14th, 09:00–10:00**
- **Speaker:** Gerhard Brewka (University of Leipzig, Germany)
- **Abstract:** In argumentation, the question whether a (pro)position p is accepted or not is decided by constructing and possibly weighing arguments pro and con p. The arguments are generated from a - possibly inconsistent and/or defeasible - knowledge base. Several nonmonotonic tools have been developed which abstract away from the specific content of the arguments and focus on particular services, for instance for conflict solving among arguments.

  The most popular example of such a tool are Dung's argumentation frameworks (AFs) which define a "calculus of opposition" and are probably the simplest nonmonotonic systems available. Given a set of arguments with an attack relation among them, AFs come with different semantics, where a semantics specifies which subsets of the arguments are acceptable. The different semantics represent different intuitions how to select arguments, as well as different degrees of skepticism.

  In the talk I will present abstract dialectical frameworks (ADFs), a powerful generalization of AFs where nodes in the argument graph, rather than having an implicit acceptance condition, come with an explicit boolean function specifying when the node is to be accepted based on the status of its parents. This allows us to represent support in addition to attack, and to express flexible ways of taking pro and con arguments into account.

  We illustrate the usefulness of ADFs by reconstructing Carneades argument evaluation structures (CAES). Carneades, developed by Gordon, Prakken and Walton, is an influential and widely cited argumentation system, motivated by the needs of legal argumentation. It covers relevant aspects such as burden of proof, proof standards and the like. We show how CAES can be reconstructed as ADFs. This not only demonstrates the generality of ADFs.

8

It also allows us to lift a restriction of CAES to acyclic sets of arguments and provides the generalized systems with the standard semantics developed

Counter Systems for Data Logics

- **Wednesday, September 15th, 09:00–10:00**

- **Speaker:** Stéphane Demri (Centre National de la Recherche Scientifique CNRS, France)

- **Abstract:** Data logics are logical formalisms that are used to specify properties on structures equipped with data (data words, data trees, runs from counter systems, timed words, etc.). In this survey talk, we shall see how satisfiability problems for such data logics are related to reachability problems for counter systems (including counter automata with errors, vector addition systems with states, etc.). This is the opportunity to provide an overview about the relationships between data logics and verification problems for counter systems.

5 Social Program

There are two main evening events: an opening reception and an excursion followed by a conference banquet. Additionally, we will organize an informal get-together dinner on Sunday. We also provide the possibility for JELIA 2010 participants to take part in the invited talks, poster sessions, buffet (September 15th) and lunch (September 16th) of the Fall School of Helsinki Graduate School in Computer Science and Engineering.

Sunday, September 12: Informal Get-Together

There is an informal get-together on Sunday evening, September 12th. The meeting point for the get-together is at 19:00 by the main entrance of the conference venue, University of Helsinki main building ("Päärakennus"), located at Fabianinkatu 33 (see Figure 1). The plan is to have a walk (c. 1.5km) through some of the main sites in downtown Helsinki to Restaurant Manala (`http://www.botta.fi/MANALA.3.0.html?&L=1`, street address Töölönkatu 3). The main course in the restaurant is included in the registration fee. **Please send an email to jelia2010@ics.tkk.fi by Wednesday September 8 to indicate whether you are able to participate in the get-together.** We need this information in order to ensure a proper number of seats in the restaurant.

Please take the weather conditions into account and take a jacket and possibly an umbrella with you. If you are arriving later, you can join us directly in the restaurant at 20:00 (or even later).

- **When:** Sunday 19:00–22:00
- **Where:** Helsinki city center and Restaurant Manala (Töölönkatu 3)
- **Departure:** 19:00 at the main entrance to University of Helsinki main building ("Päärakennus") at Fabianinkatu 33.

Monday, September 13: Opening Reception

After the invited talk on Monday *JELIA 2010 Opening Reception* takes place in *Lehtisali*, located on the second floor of the main building. The reception, hosted by Vice Rector Kimmo Kontula, lasts for two hours, and includes a light buffet with refreshments. Notice that this reception (as well as the invited talk on Monday) is organized jointly with PGM 2010 (`http://www.helsinki.fi/PGM2010/`) so you will have the possibility to interact also with PGM attendees.

- **When:** Monday 20:00–22:00
- **Where:** Lehtisali, Main building of University of Helsinki, 2nd floor
- **Departure:** 19:50–19:55 (directly after the invited talk); we walk together as a group starting from the conference hall.

Tuesday, September 14: Conference Banquet and Excursion

The JELIA 2010 *conference banquet and excursion* takes place Tuesday, September 14th in the evening. We will first embark on a ship cruise on m/s RoyalCat along the Helsinki sea front. After the cruise (which lasts about an hour), we will dock at the Suomenlinna sea fortress, a UNESCO World Heritage site, on the island of Suomenlinna only a few minutes trip away from the Helsinki mainland. The conference banquet will take place at Restaurant Walhalla located at the sea fortress. After the dinner, a ship will take us directly back to Helsinki mainland.

Please also take the weather conditions into account and prepare yourself with warm clothing against the possible sea breeze. Although there will be enough room for everyone inside on-board

during the cruise, you will also have the possibility to take in the scenery and sea air on the sun deck.

Schedule

- **18:00** Departure from Kauppatori (the market square), see Figure 1, on m/s RoyalCat.
- **18:00–19:15** Cruise with refreshments from the bar
  - Don't miss out an opportunity to try "lonkero" (gin long drink) which was introduced for the 1952 Helsinki Olympics and has been popular in Finland since.
- **19:30** Arrival to Suomenlinna at Kuninkaanportti (King's gate) and Restaurant Walhalla, welcome drinks, sunset at 19:46
- **20:00–22:30** Conference banquet
- **22:30** Departure back to mainland from Kuninkaanportti
- **23:00** Arrival to the market place

Please be on time for departures, especially from Walhalla back to mainland. There is public transportation back to Helsinki by Suomenlinna ferry (once in an hour until 2am), but the ferry leaves from the other end of the island (by foot approx. 20 minutes).

Wed & Thu, September 15–16: HeCSE Fall School: Invited Talks and Posters

The participants of JELIA are welcome to join the invited talks of Helsinki Graduate School in Computer Science and Engineering (HeCSE) Fall School on Thursday, September 15th and 16th (for more details and schedule, see
`http://www.cs.helsinki.fi/hecse/autumnschool_2010.html`).

- On September 15th, directly after the closing of JELIA 2010 we can join the joint PGM 2010 and HeCSE poster session at Marina Congress Center Hotel (Katajanokanlaituri 6). A buffet is served in conjunction with the poster session

- On September 16th, there are two invited talks which take place in University of Helsinki main building (Fabianinkatu 33).
  - Stefan Woltran (TU Wien): Computational Aspects of Abstract Argumentation (Room 13, 3rd floor)
  - John-Mark Agosta (Intel): Network traffic anomaly detection: The story of a research project (Room 10, 3rd floor)

Additionally, lunch is organized, and there is a HeCSE poster session (2nd floor lobby) during which the students of HeCSE present their research. In case you wish to participate in some or all of the HeCSE Autumn School events during September 15–16th, please register using the form at
`https://elomake.helsinki.fi/lomakkeet/22483/lomake.html`. **Deadline for registration is Tuesday September 7th.**

6 Local information

For more detailed information and tips, please check the guides in the conference bag. The Helsinki Visitors Guide provides basic information about Helsinki and most typical sights, cafes, restaurants, and shopping opportunities. The Nordic Oddity guide offers suggestions of more off-the-beaten-track attractions, which are definitely worth a visit!

6.1 Getting around

In the city center almost everything is within walking distance (some hundreds of meters at most). A journey planner for cycling and walking is very helpful in estimating distances and finding best routes (see `http://kevytliikenne.ytv.fi/en/`). In case you need to cover longer distances, the journey planner (see `http://www.reittiopas.fi/en/`) provides easy way to find suitable connections using trams, buses or metro lines.

Public transportation tickets (HSL, Helsinki Region Transport) are sold in all trams and buses (the driver does not have to accept large bills, in practice even a 20 euro bill receives a grunt), and there are ticket machines at the metro stations. Inside Helsinki one ticket costs 2.50 euros (or 2 euros from a ticket machine) and is valid for 60 minutes. In the neighboring areas Espoo (e.g. Otaniemi campus of Aalto University) and Vantaa (e.g. the airport) you need a regional ticket (4 euros) which is valid for 80 minutes. It is also possible to get daily tickets (valid 1–7 days). One day tickets (6.80 euros inside Helsinki) can be bought from drivers and 1–7 day tickets are sold at R-kiosks (R-kioski) and *some* ticket machines. More details are available at `http://www.hsl.fi/EN/`.

Finnish taxis are heavily regulated by the government, so they are comfortable, safe, and expensive. Taxis can come in any color or shape, but they will always have a yellow "TAXI" or "TAKSI" sign on the roof. Hailing taxis off the street is possible (when the taxi light is on, the cab is available), but not always easy. A good option is to either find a taxi stand or order by phone (call 0100 0700, costs 1.15 euros/call + 0,164 euros/10s + local charge). For ordering a taxi in advance one should call 0100 0600. For advance booking there is additional charge of 6.40 euros. The taxi stands (recognizable by a yellow "TAXI" sign and, hopefully, by awaiting taxis) closest to the conference venue are:

- Senate square, opposite of Aleksanterinkatu 20
- Pohjois-Esplanadi 27, next to Hotel Kämp
- Eteläranta 10, in front of Hotel Palace
- Mannerheimintie 10, in front of Marski Hotel
- Central railway station, on both sides (Elielinaukio and Rautatientori)

There is a fixed starting fee 5.30 euros (8.30 euros at nights and on Sundays). The per-kilometer charge starts at 1.39/km for 1 or 2 passengers, rising up to 1.94/km for 7 or 8 passenger minivans. For trips starting at the airport there is additional airport charge of 2 euros.

6.2 Restaurants and Cafes

The city center is filled with cafes and restaurants. During lunch time (typically 11:00–15:00) many restaurants offer special lunch menus or buffets with prices around 7–10 euros. Some examples are listed here and more can be found on the map provided at the JELIA 2010 web page. Most restaurants offer vegetarian food and can take into account special dietary requirements upon request.

Worth a mention is `http://eat.fi/en/helsinki` restaurant database (lots of reviews, links to the web pages of restaurants, also possibility to make online reservations to some of the restaurants). Also the wikitravel page of Helsinki (`http://wikitravel.org/en/Helsinki`) has a very good listing of restaurants, cafes and bars. The organizing team is happy to provide further suggestions.

- Unicafe student cafeterias:
  - Several locations, cheap (5–6.75 euros) and fast, but not gourmet food. Crowded with students around noon. Closest locations are:
    * Päärakennus (main building), Fabianinkatu 33, 1st floor
    * Porthania, Yliopistonkatu 3, 2nd floor
    * For more locations and lunch menus, check
      `http://www.unicafe.fi/en/`

- Fast food and cafe chains: McDonalds (Kluuvikatu 5), Carrols (Aleksanterinkatu 17), Cafe Picnic (Mikonkatu 5), Waynes Coffee (Aleksanterinkatu 11), Roberts coffee (Kluuvikatu 7), Namaskaar Express (Indian fastfood, Aleksanterinkatu 36B), Subway (Vuorikatu 6)

- Nice cafes with lunch menus: Fazer cafe (Kluuvikatu 3), Cafe Ursula (5th floor of the Aleksi 13 clothing store, Aleksanterinkatu 13), Stockmann (several cafes and a more-classy-than-usual food court with champagne bar on 8th floor, Aleksanterinkatu 52B), Wine & Deli Teatteri (Pohjoisesplanadi 2), Cafe Aalto (table-service, Pohjoisesplanadi 39), Cafe Esplanad (Pohjoisesplanadi 37), Cafe Strindberg (Pohjoisesplanadi 33)

- Along *Aleksanterinkatu and its side streets* there are plenty of reasonably priced options with reasonable quality, for instance, Belge (Belgian, Kluuvikatu 5), Raffaello (Mediterranean, Aleksanterinkatu 46), La Famiglia (Italian-American, Keskuskatu 3), Santa Fe (tex-mex, Aleksanterinkatu 15), Ichiban sushi (Mikonkatu 8, 2nd floor)

  - Many more provided at the map on the JELIA 2010 web page, and even more not mentioned (as there are so many, it is not feasible to list them all).

- More exclusive restaurants can be found *along the Esplanad park.*

  - Mid priced: Teatteri (Pohjoisesplanadi 2), Nuevo (Sofiankatu 6)

  - Above mid-priced: Kappeli (Eteläesplanadi 1), G.W. Sundman (Eteläranta 16), Sundmans Krug (Eteläranta 16), Aino (Pohjoisesplanadi 21), Sasso (Pohjoisesplanadi 27), Kämp Cafe (Pohjoisesplanadi 29), Palace Gourmet (Eteläranta 10), Savoy (Eteläesplanadi 14),

- Nice restaurants can be found on the other side of Senate Square in a bit quieter districts of *Kruununhaka* and *Katajanokka*, for instance:

  - Savotta (Finnish, Aleksanterinkatu 22), Rodolfo (Italian, Kirkkokatu 5), Qulma (soups, Mariankatu 13 B), Azoros (Mediterranean, Meritullinkatu 5), Zinnkeller (German, Meritullinkatu 25)

  - Nokka (modern Finnish, Kanavaranta 7F)

For taste of Finland one might want to check out restaurants offering Helsinki Menu, for more information see `http://www.visithelsinki.fi/In_English/Visitor/Eat__enjoy/HelsinkiMenu`.

6.3   Sightseeing tours

- Easy, cheap, no-reservations-needed option: take tram 3T/3B (a circular line shaped like eight, closest stop is at Senate Square) and see the most typical Helsinki sights at the price of regular public transportation ticket. There is a brochure listing the sights which is available at the tourist information, online at `http://www.visithelsinki.fi/In_English/Visitor/Experience/Excursions_and_tours` or (possibly) at the tram.

- Guided tours are organized at least by *HelsinkiExpert* (offering Audio city tour and Guided city tour, 26 euros) and *Open Top Tours* (hop-on-hop-off bus, two routes, 25–30 euros). Tickets can be reserved or bought on-line:

    - `http://www.helsinkiexpert.com/sightseeing_and_tours/` or
    - `http://www.destination-helsinki.com/en/SIGHTSEEING/`

6.4   Good to know

- Tap water in Helsinki is very clean and of excellent quality. In fact, several studies have shown that the tap water in Helsinki is of much better quality than bottled waters.

- Credit and debit cards are accepted in most shops, cafes and restaurants.

- ATM machines (which accept all major credit cards, Visa Electron etc.) can be recognized from an orange "Otto" sign ("Otto" meaning withdrawal in Finnish). You need to use the blue card slot, if you have an international (EMV) standard chip card. With other types of cards, use the card slot marked with yellow. The smallest amount one can withdraw using an ATM is 20 euros.

    - Closest ATM to the conference venue is at Aleksanterinkatu 36 (Nordea bank around the corner of the UH Main building)

- One and two cent euro coins are not used in Finland. Thus, the sum of one's purchases is rounded to the nearest five cents when paying with cash (however, no rounding when paying with a card).

- Typically shops are open until 21:00 (or 18:00) on weekdays, small grocery stores can be open later (closing around 22:00 or 23:00). On weekends, stores can be open until 18:00 and can only open at noon on Sundays (with the exception of small shops which can stay open longer).

- In Helsinki city center, grocery stores can be found in department stores (Stockmann, Sokos), shopping centers (Forum, Kamppi) or underground at the central railway station (Asematunneli). In other parts of Helsinki, look for signs saying "Alepa", "Siwa", "K-market", or "S-market" which are the most common chains around.

- No alcohol is sold in stores between 21:00 and 9:00. Grocery stores sell beer and other mild alcohol beverages. Wine and strong liquor can only be bought from state owned Alko stores (open until 20:00 on weekdays, until 18:00 on Saturdays and closed on Sundays). In the center, there are Alkos in Stockmann (specialized in wine), Sokos, Forum shopping center, Old Market Hall (specialized in wine), and in the address Salomonkatu 1 (offering an especially wide selection).