ManyVal 2013:

Games, decisions and rationality

Information Booklet

Steering Committee:

- *Stefano Aguzzoli*, University of Milan
- *Brunella Gerla*, University of Insubria
- *Vincenzo Marra*, University of Milan

Programme Committee:

- *Tomáš Kroupa* (chair), Academy of Sciences of the Czech Republic
- *Stefano Aguzzoli*, University of Milan
- *Christian Fermüller*, Vienna University of Technology
- *Daniele Mundici*, University of Florence

Organizing Committee:

- *Petr Cintula* (chair), Academy of Sciences of the Czech Republic
- *Petra Ivaničová*, Academy of Sciences of the Czech Republic
- *Ondrej Majer*, Academy of Sciences of the Czech Republic
- *Carles Noguera*, Academy of Sciences of the Czech Republic

Organized by:

- Institute of Computer Science, Academy of Sciences of the Czech Republic
- Institute of Inf. Theory and Automation, Academy of Sciences of the Czech Republic
- Institute of Philosophy, Academy of Sciences of the Czech Republic

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- Academy of Sciences of the Czech Republic
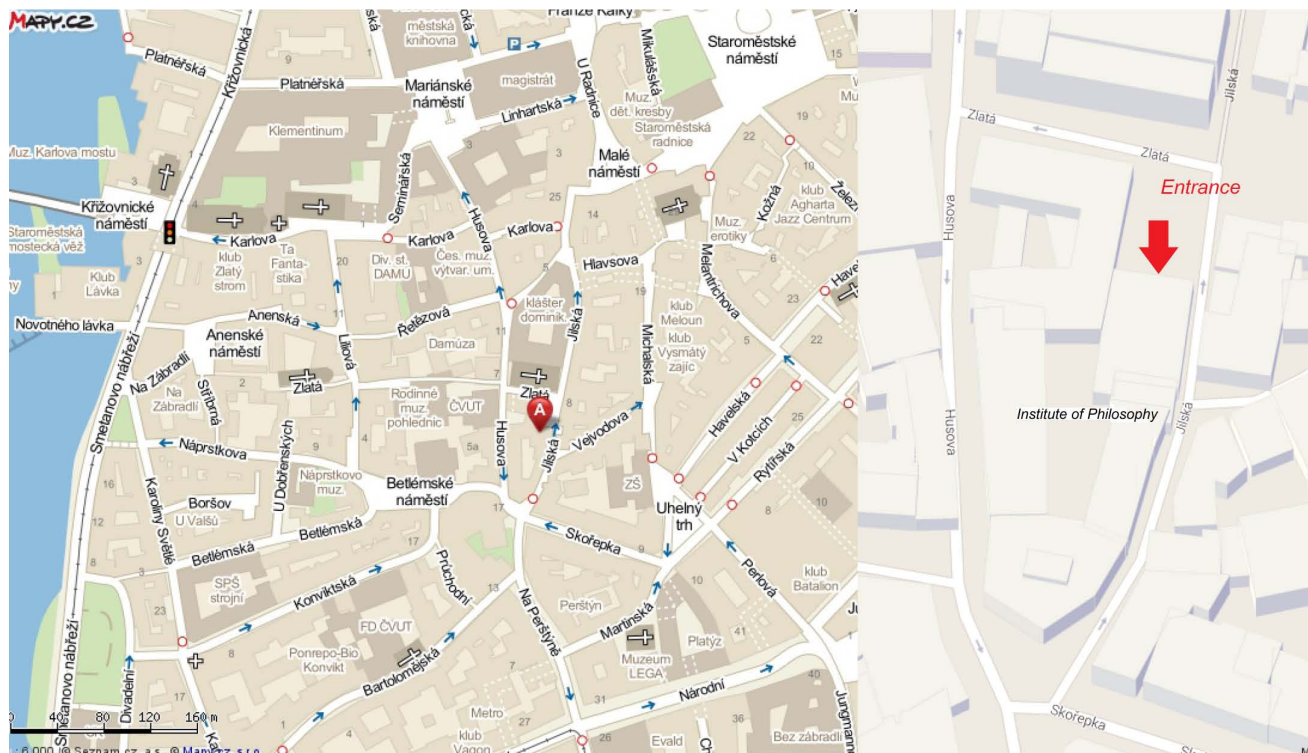- Czech Society for Cybernetics and Informatics

Contents

1 Conference program

1.1 Venue

The lectures will take place at the conference centre of the Institute of Philosophy (Academy of Sciences of the Czech Republic), in the very centre of Prague—see the location on the left figure below. Use the main entrance to the institute as indicated in the right figure below. The lecture room is equipped with a data projector and a blackboard.

1.2 Registration

Registration desk will be located in front of the lecture hall and open on Wednesday from 8:30.

1.3 Talks

The scheduled length of contributed talks is 25 minutes plus 5 minutes for discussion. Invited lectures are scheduled for 50 minutes plus 10 minutes for discussion.

1.4 Slides

We plan to put the slides of all the lectures on the web. If you do not want us to put *your* slides on the web, please let us know explicitly.

1.5 Program

Wednesday, September 4th

09:15 – 09:30	**Opening**	

<div align="right">chair: Tomáš Kroupa</div>

09:30 – 10:30	GABRIEL SANDU	Nash equilibrium semantics for languages of imperfect information
10:30 – 11:00	CHRIS FERMÜLLER	Games, equilibrium semantics, and many-valued connectives
11:00 – 11:30	**Coffee break**	
11:30 – 12:00	BRUNO TEHEUX	Dynamic many-valued logics for searching games with errors
12:00 – 12:30	ENRICO MARCHIONI	On discrete Łukasiewicz games

12:30 – 14:00	**Lunch**	

<div align="right">chair: Petr Cintula</div>

14:00 – 15:00	RYSZARD WÓJCICKI	Logics of cognitive strategies: referentiality vs. many-valuedness
15:00 – 15:30	JOAN GISPERT, ANTONI TORRENS	Lattice BCK logics with modus ponens as unique rule
15:30 – 16:00	**Coffee break**	
16:00 – 16:30	PAOLO BALDI	A proof theoretical approach to standard completeness
16:30 – 17:00	GEORGE METCALFE	Decidability for Gödel modal logics

17:00 – 17:30	**Surprise programme**	
17:30 – 20:00	**Welcome party**	

Thursday, September 5th

09:30 – 10:30	Sonja Smets	Collective learning versus informational cascades: towards a logical approach to social information flow
10:30 – 11:00	Tommaso Flaminio, Lluís Godo	A betting metaphor for belief functions on MV-algebras and fuzzy epistemic states
11:00 – 11:30	**Coffee break**	
11:30 – 12:00	Brunella Gerla, Stefano Aguzzoli, Anna Rita Ferraioli	Involutive left-continuous t-norms arising from completion of MV-chains
12:00 – 12:30	Sándor Jenei	New involutive FL_e-algebra constructions

12:30 –	**Lunch**	
19:00 –	**Banquet**	

6

Friday, September 6th

09:30 – 10:30	FRANCO MONTAGNA	Non-standard states, conditional probability and strong coherence
10:30 – 11:00	MATTEO BIANCHI	A temporal semantics for nilpotent minimum logic
11:00 – 11:30	**Coffee break**	
11:30 – 12:00	AMANDA VIDAL, FÉLIX BOU	Image-finite first-order structures
12:00 – 12:30	MARCELO CONIGLIO, FRANCESC ESTEVA, LLUÍS GODO	On logics of formal inconsistency and fuzzy logics

12:30 – 14:00	**Lunch**

14:00 – 15:00	LEONARDO CABRER	Strongly semisimple MV-algebras and tangents
15:00 – 15:30	SERAFINA LAPENTA, IOANA LEUŞTEAN	f-MV-algebras and piecewise polynomial functions
15:30 – 16:00	**Coffee break**	
16:00 – 16:30	DENISA DIACONESCU, TOMMASO FLAMINIO, IOANA LEUŞTEAN	Lexicographic MV-algebras through a generalization of the Di Nola–Lettieri functors
16:30 – 17:00	TOMMASO MORASCHINI	An algebraic study of partial predicates

17:00 – 19:00	**Farewell party**

2   Trips

We prepared a selection of potentially interesting and not so well-known places to visit during the free Thursday afternoon. Do not hesitate to ask the organizers for further details and recommendations (the welcome party would be an ideal place for such discussion).

2.1   The Slav Epic – Slovanská epopej

A cycle of 20 gargantuan canvases painted by Czech Art Nouveau painter Alfons Mucha between 1910 and 1928. The cycle depicts the history of Czechs and other Slavic peoples. The paintings are displayed together on the ground floor of the Veletržní Palace, in an exhibition organized by the National Gallery in Prague. To get to the Palace take tram 12, 17, or 24 to the stop *Veletržní Palác*.

2.2   The four hills of Prague

Would you like to see Prague from all four cardinal directions? Try ascending the four hills overlooking most of the central Prague area: Petřín, Vyšehrad, Riegrovy sady, and Letná. For travel instruction consult a map, use `www.google.com`, or ask the organizers.

2.3   Nový svět

The New World (Nový svět) is one of the most beautiful places in Prague. It is situated near the Prague Castle. Mostly poor people had built their homes there in previous centuries and that is why the houses are very small and picturesque and the streets very narrow. It was built between the 16th and 18th century and it gradually became a favorite place of artists, because of the romantic atmosphere and quiet. Little cafés and restaurants will tempt you to visit them there. See `www.prague.cz/new-world` for more details. If you walk along Nový Svět Lane and continue along Kanovnická Lane, you will arrive to the Castle Square by the Prague Castle. If you choose Černínská Street, it will lead you to the Loretto Square with the famous Loretto Shrine.

2.4   Žižkov TV tower

The Prague TV tower is considered the 2nd ugliest building in the world, provides a fantastic 360-degree view of Prague through the windows of its observation deck. It is located in Mahlerovy sady (Mahler Gardens) off of Ondříčkova street, just outside of Vinohrady in the neighboring district of Žižkov. The controversial tower was built in 1985–1992 despite the protests of locals who feared that this giant construction would become an eyesore to Prague. In recent years, it's become known for the baby sculptures attached to it (created by artist David Černý) that give the impression of mutant babies crawling up and down the tower.

2.5   Stromovka

Are you tired a bit of the crowds of people on Charles Bridge or Prague Castle? Visit a lovely old deer-park full of trees, which gave the park its name Stromovka ("place of trees"). You can stroll, skate, cycle, ride on horse this park is here for you to relax and breath fresh air. The history of this park goes back to the year 1268 when Czech king Přemysl Otakar II founded a royal hunting park and on its highest point a hunting lodge. One of the attraction of the park is a very nice Planetarium `www.planetarium.cz`. See `www.prague.net/stromovka` for more details and travel instructions.

2.6 DOX: Centre for Contemporary Art

DOX, Centre for Contemporary Art, is located close to the subway station Nádraží Holešovice. See `www.dox.cz` for further details.

2.7 The (Military) Aviation Museum Kbely

The museum was founded in 1968 and has grown into one of the largest air museums in Europe. Currently the collections contain 275 aircrafts, 85 of which are exhibited in four indoor halls, 25 are displayed outdoor, 155 are stored in depositories, and 10 planes, fully operational, are still in service. Many aircrafts are unique in the world (e.g. both types of the Me 262 Schwalbe). The exposition is closely related to the history of Czechoslovak and Czech aviation, especially its military branch. Several other types of important foreign aircrafts are also exhibited for comparison, together with numerous aircraft engines, parts of airframes, armament, uniforms, banners, marks of distinction, and other relics related to the history of Czechoslovak aviation.

To get to the museum go to the subway station *Letňany* (the terminal station of red C line) and then take bus No. 185, 259, 280 to the stop *Letecké museum* (it should take 10 minutes).

2.8 Ivan Lendl: Alfons Mucha

The most comprehensive collection of Alfons Mucha posters from the private collection of Ivan Lendl. Municipal House, náměstí Republiky 5, Praha 1, `http://www.lendl-mucha.com`.

2.9 Troja

The Troja district of Prague offers many interesting options for Thursday afternoon:

1) **Botanic garden** invites its visitors to see and enjoy open air exhibitions, arranged as an impressive park; the historical Vineyard of St.Claire; Japanese Garden; the tropical greenhouse Fata Morgana. The so called "Southern Grounds" is especially worth of seeing because of its open space exhibition with Japanese garden and St.Claire's Vineyard, "Northern Grounds" are inviting visitors to see another open space exhibition with Peony meadow and a collection of frost-hard cacti, nicknamed "Mexico". The tiny chapel of St. Claire is a true centerpiece of overlooking not only the Troja Chateau, but whole of Troja. Both the Chateau and the chapel were built by count Václav Vojtěch Sternberk around 1680. The Vineyard, which is under protection of law as a "National Heritage" reminds of the past glory of Prague's viticulture. It is very likely that this Vineyard was established during the reign of King Václav II in 13th century. See `www.prague.net/botanical-gardens` for more details and travel instructions.

2) **Troja ZOO** is said to be one of the best in Europe and could easily keep you busy for one entire day. The ZOO does its best to be a pleasant and an interesting place for everybody and if you take a few minutes and organize your trip it can really be an unforgettable experience. Among the most appreciated pavilions is the Indonesian Jungle, the Pavilion of Gorillas, and Monkey Island where you can have a look at the luxuriant flora and fauna of the jungle or practically play with the cute lemurs. See `www.zoopraha.cz` for more details and travel instructions.

3) **Troja chateau** is surrounded by beautiful gardens and the Vltava river. Troja chateau is named after the impressive garden staircase of the villa with statues depicting the battle between the Olympic gods and the Titans. The architect of Troja chateau, Jean Baptista Mathey, was inspired by great villas in Italy and built one of the best summer houses north of Italy. See `www.prague.net/troja-chateau` for more details and travel instructions.
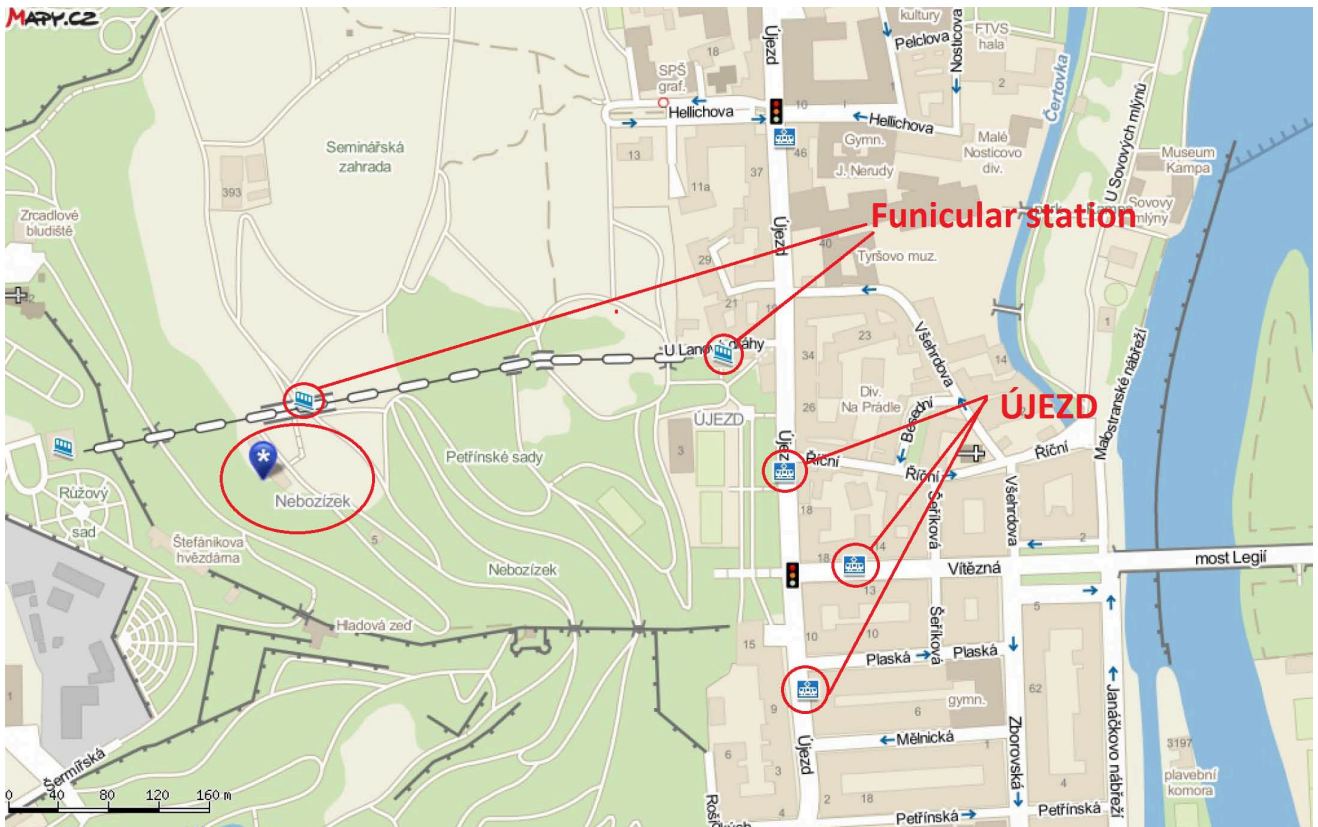
3 Social events

3.1 Welcome and farewell party

All participants and their accompanying persons are invited to the *Welcome Party* on Wednesday, September 4, organized from 17:30 till 20:00 at the conference venue. Light snacks with non-alcoholic and alcoholic drinks will be provided. The conference concludes with the *Farewell Party* on Friday, September 6, 17:00–19:00, at the conference venue.

3.2 Banquet

The conference banquet for all registered participants will be held on Wednesday, September 5, from 19:00 at restaurant Nebozízek (`http://www.nebozizek.cz/en`). There will be a buffet dinner with a selection of beer, wine, and non-alcoholic beverages. Tickets for accompanying persons can be obtained from the organizers.

There are two possible routes:

- The convenient one: take any of the trams 6, 9, 12, 20, or 22[1] stopping at the station Újezd. At Újezd go to the nearby funicular station and take the funicular (every 15 min) to the first stop Nebozízek. When you leave the funicular you will see the restaurant in front of you (to reach it you need to descend and then ascend a few stairs). The funicular is a part of Prague public transport system so that you don't need to buy an extra ticket once you already have a ticket valid for metro, trams, or buses.

- The walking one: the beginning is the same as the convenient one, but instead of taking the funicular you walk uphill (very steep!). There are many crossing paths (see the map). However, as the state space is finite (bounded by the funicular line on one side and a fortification wall on the other), sooner or later you should arrive to the restaurant.

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[1]See Subsection 4.5 of this booklet for information about Prague public transport system.

4 General information

4.1 Lunches

Lunches for all registered participants will be served in a nearby restaurant *U tří zlatých lvů* `http://www.utrizlatychlvu.cz`.

4.2 Wi-Fi

There is a Wi-Fi connection available in the lecture hall. It is a secured network called `akc-guest` with user name `manyval` and password `manyval`.

4.3 Dining close to the venue

The area close to the venue is one of the centers of tourism in Prague, so the probability of running into an overpriced tourist restaurant is very high. We advise all participants to check the prices before entering the place, follow recommendations in a trusted guidebook (check e.g. `http://www.tripadvisor.com`) or ask one of the locals. See Subsection 4.8 for a few recommended options.

4.4 The local currency & exchange rates

The currency in the Czech Republic is the Czech crown (CZK or Kč).
1 USD = approx. 20 CZK, 1 Euro = approx. 25 CZK.

4.5 Public transportation in Prague

Prague public transportation is integrated, tickets are valid on all forms of public transport (including the funicular which can be used to get to the restaurant Nebozízek, the place of the banquet). The tickets must be bought in advance. They are sold at tobacconists, newsagents and from the ticket machines located at the metro stations and elsewhere.

On buses and trams you must punch your ticket immediately after getting on. At the metro, the ticket must be marked at the entrance. There are two kind of tickets: 24 CZK (valid for 30 min) and 32 CZK (valid for 90 min). A 24 and 72 hour ticket are also available for 110 CZK or 310 CZK, respectively. For detailed information about the fares available see `http://www.dpp.cz/en/fares`.

4.6 Transit from/to the airport

Bus 119 connects Dejvická metro station (the northern terminus of line A) with Ruzyně airport. The journey takes less than half an hour. The standard ticket is valid for this line.

Bus AE (Airport express) connects Ruzyně airport with main railway station (Hlavní Nádraží) via the Dejvická metro station. The standard ticket does not work on this bus (the only exception of the general rule mentioned above). The special tickets cost 40 CZK (to Dejvická) and 60 CZK (to Hlavní Nádraží) and are sold by the bus driver.

4.7 Taxis in Prague

There are a number of regulated taxi stands in Prague, designated with a thumbs-up sign: they are reputed to be safer. We recommend order taxis from receptionist or by phone, and these are in general reliable and available in 5–15 minutes. We have used AAA Taxi, tel. +420 14014. AAA speak English, and can provide you with the approximate cost of the journey over the phone. City Taxi, tel. +420 257 257 257, are also reliable.

4.8   Recommended restaurants, bars, and pubs

- *Lokál*, Dlouhá 33 (Czech cuisine + beer)

- *Pivovarský dům*, Ječná/Lipová 15 (Czech cuisine + beer)

- *U Bubeníčků*, Myslíkova 8 (Czech cuisine + beer)

- *U Sedlerů*, Karlovo náměstí (Czech cuisine + beer)

- *U Bulínů*, Budečská 803/2 (Czech cuisine + beer)

- *Jiná krajina*, Řeznická 4 (Czech and international cuisine + beer)

- *Potrefená husa*, the corner of Hybernská and Dlážděná 1003 (Czech and international cuisine + beer)

- *Café Louvre*, Národní 22 (restaurant, international food)

- *Jáma*, V Jámě 7 (rich selection of beers)

- *Beas Vegatarian Dhaba*, Vladislavova 24 (vegetarian)

- *Vinograf*, Míšeňská 8 (bar, carefully selected Czech wines)

- *Vinograf*, Senovážné náměstí 23 (bar, international wines)

- *Trafika Bar 67*, Korunní 67 (atmospheric Czech bar)

- *Café and Gallery Róza K.*, Belgická 17 (atmospheric Czech café)

- *Aloha*, Dušní 11 (fancy bar)