Pure and Applied Model Theory

A conference at UIC
on the occasion of
Dave Marker 60th birthday

October 25 – October 28

General information:

- The conference talks will take place in several different rooms on campus.

- Each day, we will have coffee and light refreshments available starting one hour before the talks.

- Contact information for James Freitag:
  Phone: 217-415-5531
  email: freitagj@gmail.com
  Office: 716 SEO (the Math building)

- Please feel free to give me a call or send me a text if there are any issues you need help with.

Day 1: October 25

- **Morning Talks: 636 SEO**

9:00–9:50	Coffee and registration
9:50–10:00	Introductory remarks
10:00–10:50	Boris Zilber On the model theory of universal covers
11:00–11:40	Rahim Moosa Around Jouanolou-type Theorems

- **Afternoon Talks: Room 470, first floor of Daley Library, directly north of the mathematics department.**

1:00–1:40	Caroline Terry Speeds of hereditary properties
1:50–2:30	Matthias Aschenbrenner Uniform properties of ideals in rings of p-adic power series
2:30–3:00	Break
3:30–4:20	Lou van den Dries Logarithmic Hyper-Series
4:30–5:10	Ozlem Beylarsan Some Model Theory of Fields with Group Actions
5:20–6:00	Alice Medvedev Fields with Automorphisms

Day 2: October 26

- Morning talks: Room 470, first floor of Daley Library

8:00–9:00	Coffee, Room 470
9:00–9:40	Maryanthe Malliaris Complexity in simple theories
9:50–10:40	Chris Laskowski Potential canonical Scott sentences
10:40–11:10	Break
11:10–11:50	Paola D'Aquino Generic solutions of equations with iterated exponentials
12:00–12:40	Will Boney Erdos-Rado classes

- Afternoon talks: Room 613 Student Center East

3:00–3:50	Departmental Colloquium Alex Wilkie Remarks on the zero sets of exponential polynomials
4:00–4:30	Break
4:30–5:20	Angus Macintyre Model theory of adele rings over a number field

Day 3: October 27, Morning

- All talks: Lecture center C1

8:30–9:00	Coffee, Lecture center C1
9:00–9:40	Pierre Simon Omega-categorical orders and homogeneous multi-orders
9:50–10:40	Charles Steinhorn Asymptotic and Multidimensional asymptotic classes of finite structures
10:40–11:10	Coffee break Lecture center C1
11:10–12:00	Elisabeth Bouscaren Some applications of model theory

Day 3: October 27, Afternoon

- Afternoon talks: Lecture Center C1

1:30–2:20	Tom Scanlon Elimination and consistency checking for difference-differential equations
2:30–3:10	Zoe Chatzidakis Notions of difference closures of difference fields
3:10–3:40 3:40–4:20	Break Gabe Conant Tame expansions of the group of integers
4:30–5:20	Anand Pillay Regularity theorems in a group environment

- Conference Dinner

6:00	Dinner and reception Francesca's on Taylor 1400 W Taylor St

Day 4: October 28

- All talks: Lecture center C1

8:00–9:00	Coffee, Lecture center C1
9:30–10:10	Sergei Starchenko O-minimal flows on compact nilmanifolds
10:20–11:00	Artem Chernikov Local distality and generalizations of the Elekes–Szabó theorem
11:00–11:30 11:30–12:20	Coffee break, Lecture center C1 Julia Knight Coding of Structures

Map of Campus

UIC UNIVERSITY OF ILLINOIS AT CHICAGO **EAST CAMPUS MAP**

Abbrev.	Campus Location	Key
AA	Art & Architecture Building	T5
ADH	Art & Design Hall	S3
AH	Addams Hall	S7
	ADMISSIONS AND RECORDS	O4
	ALUMNI ASSOCIATION	T5
BH	Burnham Hall	S7
BSB	Behavioral Sciences Building	R4
	CAMPUS INFORMATION CENTER	T6
CEB	Chemical Engineering Building	X6
	CHICAGO CIRCLE MEMORIAL GROVE	S7
CUPPAH	College of Urban Planning & Public Affairs Hall	S3
DH	Douglas Hall	S5
	DISABILITY RESOURCE CENTER	O4
	EARL L. NEAL PLAZA	T10
EPASW	Education, Performing Arts & Social Work	Q4
ERF	Engineering Research Facility	T7
FAC	Flames Athletic Center	T10
FORUM	Forum	U10
GH	Grant Hall	S5
HH	Henry Hall	S4
HLPS	Halsted Street Parking Structure	U7
HRPS	Harrison Street Parking Structure	P4
JAH	Jane Addams Hull-House	T6
JAHD	Jane Addams Residents' Dining Hall	T6
JH	Jefferson Hall	S4
JJST	James J. Stukel Towers	U10
LC	Lecture Centers A,B,C,D,E,F	S6
LH	Lincoln Hall	S5
LIB	Library, Richard J. Daley	S6
MRH	Marie Robinson Hall	T11
MSPS	Maxwell Street Parking Structure	U11
PAV	Pavilion	P4
PEB	Physical Education Building	S10
PPB	Physical Plant Building	R9
PRL	Plant Research Laboratory	U8
PS	Police Station	R11
	QUAD	S6
RB	Rice Building	T3
RRB	Roosevelt Road Building	U9
SCB	Sangamon Center Building	S3
SCE	Student Center East	T6
SCET	Student Center East Tower	T5
SELE	Science & Engineering Laboratory East	T7
SELW	Science & Engineering Laboratory West	S7
SEO	Science & Engineering Offices	S7
SES	Science & Engineering South	T8
	SKYSPACE	T10
SH	Stevenson Hall	S5
SRCC	Student Residence & Commons Courtyard	T4
SRCS	Student Residence & Commons South	T5
SRCW	Student Residence & Commons West	S4
SRF	Student Recreation Facility	U5
SSB	Student Services Building	O4
TBH	Thomas Beckham Hall	T11
TF	Transportation Facility	S12
TH	Taft Hall	S6
TSB	Taylor Street Building	P8
UH	University Hall	R4
UICT	Theater	Q4
UTB	Utilities Building	R8
1253	1253 South Halsted	U10
1309	1309 South Halsted	U11
1333	1333 South Halsted	U11
722	722 West Maxwell	U11

N
1/8 Mile
200 m

Legend

- CTA Train Station
- Daytime Shuttle Bus Route
- Daytime Shuttle Bus Stop
- CTA Bus Stop
- P Patient Parking
- C Card Access Parking
- V Visitor Parking
- Visitor Parking Entrance
- Accessible Building Entry
- Automatic Door
- Emergency Telephone Unit

Call for Assistance

UIC Operator	312-996-7000
Motorist Assistance	312-355-0555
Medical Center	312-355-4000
University Police	312-355-5555

DISABILITY RESOURCE CENTER
ADMISSIONS AND RECORDS
ALUMNI ASSOCIATION
CAMPUS INFORMATION CENTER

1/2 MILE TO WEST SIDE