



Computing Laboratory
Oxford University
Parks Road
Oxford
OX1 3QD

Computer Science Logic 2005

14th Annual Conference of the European Association of Computer Science Logic
22 - 25 August 2005, Oxford

Conference Programme and General Information

Draft of 16 August

Programme Committee

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1 The Conference at a Glance

CSL 2005 is the 14th annual conference of the European Association for Computer Science Logic (EACSL). The conference series started as a programme of International Workshops on Computer Science Logic, and then in its sixth meeting became the Annual Conference of the EACSL. The conference is intended for computer scientists whose work involves logic, and for logicians working on topics relevant to computer science.

Reception and registration	18:00-20:00 Sunday 21 August, Savile Room, Merton College
Conference begins	09:00 Monday 22 August, Dennis Sciama Lecture Theatre, Denys Wilkinson Bldg
Meeting of EACSL	19:00 Monday 22 August, Fitzjames Room 1, Merton College
Excursion to Bletchley Park	Afternoon of Tuesday 23 August; coaches leave at 13:15
Banquet	19:30 Wednesday 24 August, Merton College
Conference ends	18:00 Thursday 25 August

2 Getting to Oxford

Arriving by Air. There is a very convenient bus service from London Heathrow to Oxford, *the airline*, that runs every 20 minutes. A return fare is £18. The journey takes approximately 70 - 90 minutes. The bus may be boarded from Bay 14,

Central Bus Station if you arrive at Terminals 1, 2 and 3, or at Bay 15 if you arrive at Terminal 4. For further information on the service (timetables, etc.) see the Oxford Bus Company website <http://www.oxfordbus.co.uk/>. Tickets may be bought on the bus.

If you arrive at London Gatwick, you can board *the airline* from Gatwick North Terminal Bay 4. The service runs every hour. A return fare is £24. The journey takes roughly 120 minutes.

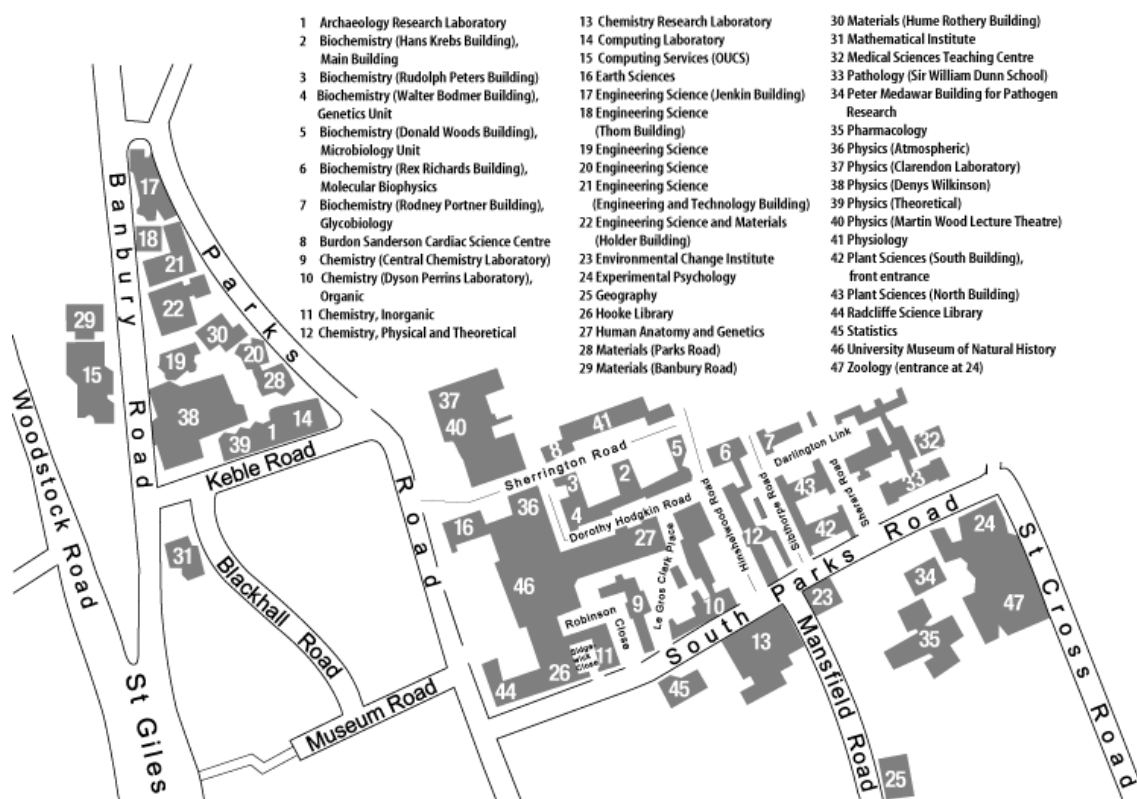
If you are staying at Merton College, you may wish to get off at the Queen's Lane (which is off High Street) stop – Merton College is very roughly 100 metre away. Alternatively, get off at the last stop on the journey, which is the Gloucester Green Bus Station; you will be able to catch a taxi there.

Arriving by Train. If travelling by train, you will arrive at the Oxford Rail Station. Merton Colleges and most hotels are a long walk from the Station, and you will probably want to proceed by taxi. Taxis arrive continuously, and you shouldn't have to wait long.

3 The Conference Location

The Conference will be held in the **Dennis Sciama Lecture Theatre**, Denys Wilkinson Building, which is part of the Department of Physics (number 38 on the map below). The Lecture Theatre has a traditional **blackboard** and the standard audio-visual facilities such as **overhead slide projector** and **data projector**. Access to the Building is from the Banbury Road end of Keble Road, via the concrete stairs (just next to a bicycle shed).

Tea and coffee breaks will be at the 5th floor foyer area, Denys Wilkinson Building.

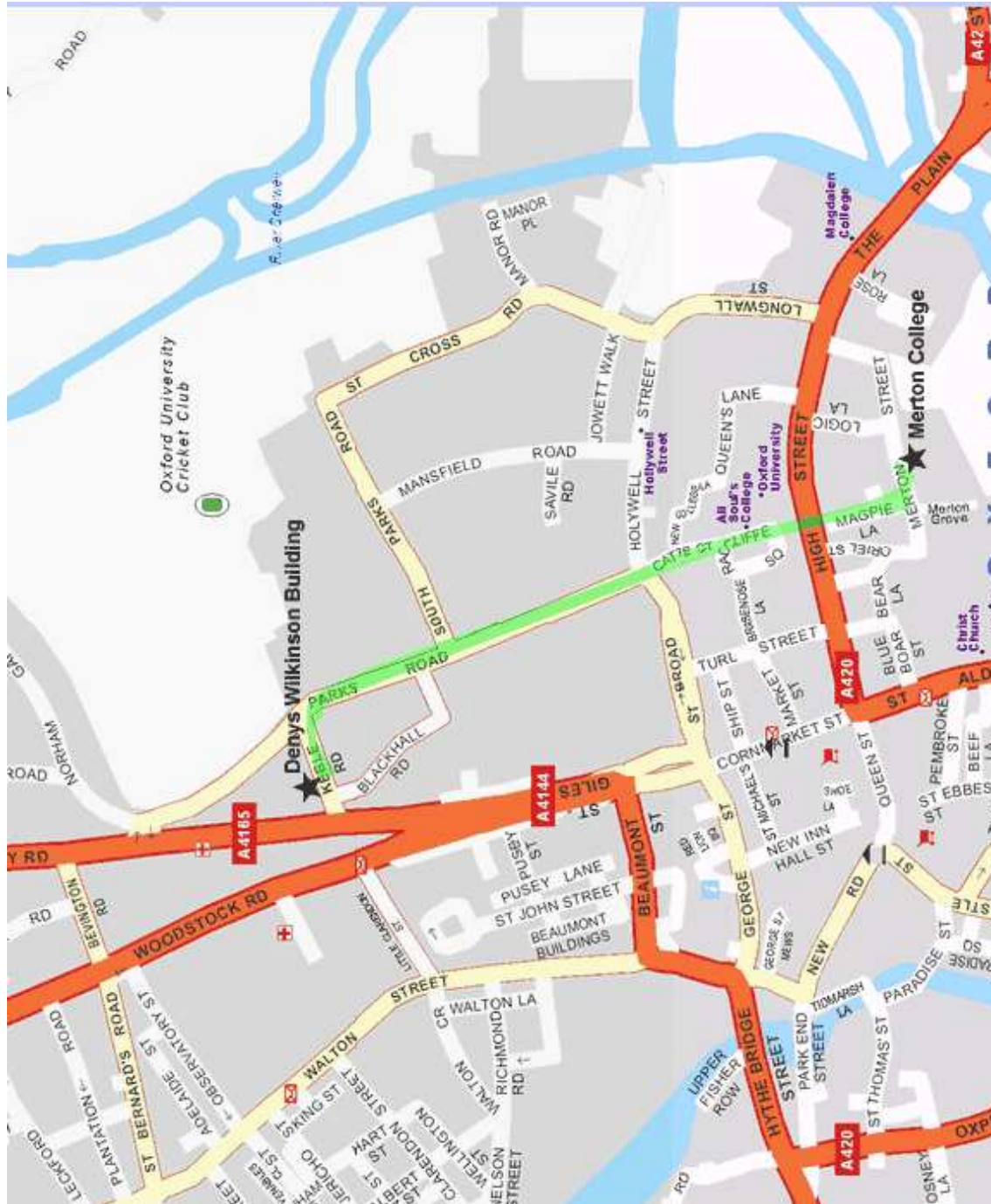


Please Note:

- **Do wear your badges at all times.** We have been told that from Monday 22 August noon onwards, no participant will be allowed into the Denys Wilkinson Building without their participant badge.
- **No eating or drinking is permitted in the Dennis Sciama Lecture Theatre.**

- We need to vacate the Lecture Theatre by 6pm on Monday, Wednesday and Thursday - please cooperate.

Both **Merton College** and the **Denys Wilkinson Building**, and a straightforward **route between them** are marked out in the following map:



4 Reception and Registration

There will be a drinks reception in the **Savile Room, Merton College** at (the cobblestoned) Merton Street; some finger food will also be served. You will be able to register for the conference during the reception.

5 Conference Office

For those who miss the reception, there will be another opportunity to register at 08:30, Monday 22 August, just before the start of the conference at the **Conference Office**, which is in the foyer of the Dennis Sciama Lecture Theatre.

Conference Office Tel: +44 1865 273434

6 Email and Internet Access

The **Email and Internet Room** is directly opposite the Dennis Sciama Lecture Theatre, in the Denys Wilkinson Building. A number of workstations, preset to webdemo mode, are provided for participants to check their email (by SSH) and access the Internet.

Wireless network. There is a wireless network covering the Dennis Sciama Lecture Theatre and the General Common Room in the Dennis Wilkinson Building. If you have given us the MAC address of your laptop, you should be able to gain access by setting the following parameters:

Service Set Identifier (SSID) `Physics_M`
WEP 128-bit encryption key `f672c67945b4478ff9145571df`

When in the Denys Wilkinson Building, your laptop may well pick up the SSID automatically.

Unfortunately Merton College is unable to provide any IT facilities.

7 Merton College

Merton College was founded in 1264. It is one of three ancient Oxford colleges founded in the thirteenth century. The College buildings, set in extensive gardens and grounds, are of exceptional historical and aesthetic interest. The Library is probably the oldest surviving working library in the United Kingdom, and the Hall, Chapel, Lodge and Mob Quadrangle also date from the College's early years.

The College's founder was Walter de Merton, Lord Chancellor of England and Bishop of Rochester. Walter's conception of a self-governing community of scholars, with its own statutes and endowment, residing in buildings laid out in staircases and quadrangles, created a model and precedent for Oxford and Cambridge colleges founded in the succeeding centuries.

Merton College is one of many colleges that, together with departments, faculties, laboratories, libraries and other academic institutions, comprise the University of Oxford. The relationship between the Oxford colleges and the University has evolved throughout the centuries. The colleges are self-governing institutions that provide academic, domestic and social facilities to their student members. Teaching provision for most undergraduate degree courses at Oxford is concentrated in the colleges, but examinations are administered by the University, which has sole power to confer degrees.

Merton College is administered by a Governing Body consisting of the Warden and Fellows. The Warden is the Head of College. The Fellowship includes teaching Fellows, or Tutors, who are responsible for tuition and pastoral care of undergraduates. Most Tutors also have University duties. Other Fellows include Professorial Fellows (who also hold University posts), Research Fellows and College Officers, such as the Senior Tutor, Librarian, Chaplain and Bursar.

Merton College Accommodations

Arrival. If you have reserved Merton College accommodation, please call at the Porter's Lodge directly on arrival. The Porter will explain how to get to your room, and give you your room key, and a late gate key, which can be used to enter and leave the College when the Lodge gate is closed between 22:30 and 07:00. Please retain your keys for the duration of your stay with us. **Breakfast** will be served at 07:45 in the Hall.

Departure. You are requested to vacate your room by 10:00 on the last day of the conference. Please remember to return your keys to the College Lodge.

Context Information. If you need information about the College facilities, please contact the Conference Manager, Mrs Kim Cameron (tel. 76363) during office hours 09:30 - 17:30 Monday to Friday, or the Lodge Porter (tel. 76310) at any time. Please note the Porter should not be contacted between 23:00 and 0700 except in emergency.

Guided Tour of the College. There will be a guided tour of the College, including a visit to the Old Library (the oldest library in Britain in continuous use), at the following times:

17:00 Sunday 21 August
18:30 Wednesday 24 August

Please assemble just outside the Porter's Lodge. Each tour is limited to a maximum of 15 people, first come first serve.

For further information, see the *Information for Delegates*. There is a map of the College in the *Guide to Merton College*.

8 Excursion to Bletchley Park

On Tuesday 23rd August we have arranged a trip to **Bletchley Park**. During World War II the German armed forces top secret codes were broken at Bletchley Park, providing the allies with vital information towards their war effort. Situated 50 miles North-West of London, the site played host to a diverse group of code breakers, including Alan Turing and Dilly Knox. Among the ciphers that were broken were Enigma and Lorenz. For further details, see <http://www.bletchleypark.org.uk/>. **The coaches will be leaving from the junction of Keble Road and Parks Road at 13:15, Tuesday 23 August.** We will be leaving Bletchley Park at 17:30 and expect to arrive back at Oxford around 18:15.

9 Banquet

The conference banquet will be held in the Hall of Merton College.

<p style="text-align: center;"><i>CSL2005 Banquet</i></p> <p style="text-align: center;"><i>19:30 Wednesday 24th August 2005, Merton College, Oxford</i></p> <p style="text-align: center;">Hot and sour prawn soup Roast beef with oyster sauce Ginger ice-cream Cheese platter</p> <p style="text-align: center;">Coffee / Tea</p> <p style="text-align: center;"><i>St. Martin de la Garrigue '99</i></p>

10 Restaurants and Other Eateries

Meals are not provided. Below is a list of eateries in Oxford. Map references apply to the Oxford Popout Map.

Daily Info has quite a good restaurant guide at <http://www.dailyinfo.co.uk/food/restaurants.html>

Lunches

Since there isn't much time for a proper, leisurely lunch, if you wish to have a sandwich or baguette, you can get a good selection from Taylors Delicatessen or Felson's Sandwich Bar, which are at opposite ends of Little Clarendon Street,

about 5 mins walk from the Denys Wilkinson Building. Weather permitting, a good place to enjoy your baguette is in the University Park.

The following is a list of places where you can get lunch. Also see *pubs and bars*.

1. Little Clarendon/Woodstock Road Map reference C2-C3.

Taylor's Delicatessen St Giles/Little Clarendon Street. Delicatessen and Sandwich Shop.

Felson's Sandwich Bar End of Little Clarendon Street.

George and Davis Ice Cream Shop (G & D's) Serves pizza, bagels, ice cream and more. Open until midnight.

Mortons Baguettes for £2.50 and panini for £3.

Porters Lunch course with soft drink for £5.

Maison Blanc French Patisserie. Sandwiches approx. £4.

Browns 5-11 Woodstock Road. Sandwiches £6-8.

Wok&Roll 4-6 Woodstock Road. Takeaway for £4.50.

2. Holywell street Map reference E4-F4.

Edamamé 15 Holywell Street. Japanese; tiny, clean, light and fast.

The Alternative Tuck Shop

Holywell's Bar & Brasserie 38 Holywell St.

3. George street Map reference C4.

Caf Opium Corner of George Street. Set menu £12-20. Dishes at approx. £5.

Caff Uno Lunch from £4.95. Pizza £6-9.

Pizza Hut George Street south side.

Zizzi 59 George Street. Pizza from £5.20 to £7.50. Pizza to go at £5.

Yates "Great plates" for £7.

Caff Uno Lunch from £5. Pizza £6-9.

Le Parisien Sandwich £1.80-2.

La Croissanterie "French" sandwiches £1.70-3. Panini £2.60.

4. Market Square

Market Square lies behind the Odeon Cinema on George Street and Gloucester Green Coach Station. Map reference C4.

Noodle Bar Cheap noodles. £4-5.

Cleo's Cafe Sweet and savoury crepes. Free chocolate crepe with every savoury crepe. £4.50.

Harveys Made to order hot sandwiches. £2-3.

Cafe Piazza Sandwiches, bagels, baguettes and ciabattas for £3-4.

5. Cornmarket Street

Sainsbury's Local On Magdalen Street. Map reference D4. Sells pre-packaged sandwiches for £1.50-3.

Fast Food The standard fast food places are all represented on Cornmarket Street (KFC, Burger King, McDonalds). Burger King and KFC are on the George Street side, whilst McDonalds is towards the High Street. Meals (burger, fries, drink) are roughly £4.

St Michael's Street St Michaels Street is just off Cornmarket Street. There are two lunch places. The Nosebag serves salads, baked potatoes, soup, etc. for £4-5. Meltz serves sandwiches, salads and pasta for £5-7.

Ship Street Ship street is opposite St Michael's Street. The News Cafe sells salads, pasta, bagels for £5-8.50. Heroes sell sandwiches made to order for £3-4 (takeaway, plus 20% eat-in).

West Cornwall Pasty Near the High Street. Sells pre-made cornish pasties for £2.50.

Golden Gate Covered Market Entrance near West Cornwall Pasty. There are many cafes within the market, plus Pizza Express — which sells pizzas for £6-8 and salads and pasta for £7-8 — and Cafe Puccino — which sells salads, paninis, ciabattas, baguettes, baked potatoes and tapas for roughly £6.

Pret Near the High Street. Sells packaged sandwiches (more interesting than Sainsbury's) for £2-3.

Restaurants

Also see *pubs and bars*.

1. High Street / St. Clements

Pizza Express Map reference D5. Sells pizzas, pasta and salads for £6-8. Not as cheap and cheerful as Pizza Hut.

Pizza Hut Opposite The Chequers. Map reference E6. Pizzas £5.50 for an individual. On Tuesdays: eat as much as you like for £7 (includes drink).

Fishers Map reference J6. Sells seafood. Main courses £12-15.

Pink Giraffe Map reference J6. Chinese restaurant. £8-9 for a meal.

Thai Orchid Map reference J6. Thai restaurant. £9-10 for a meal.

Liaison Map reference C5. Chinese restaurant. 29 Castle Street.

2. George Street Map reference D5.

Peninsula Chinese. 21 George Street. Set meal from £16-35.

Noodle Bar Noodles for £4-5. Market Square, off George Street.

ASK 5 George Street. Pizza and pasta from £5 to £7.

Café Opium Chinese. 67-69 George Street.

Tarbouch Lebanese/Greek. 29 George Street.

Bella Italia Italian. 14/16 George Street. Pizza £5-8. Dishes £10-14.

Zizzi Italian.

3. Hollywell Street

Edamame Japanese. 15 Hollywell Street. Map reference F4.

4. Little Clarendon Street/Woodstock Road Map reference C2-C3.

Pierre Victoire 9 Little Clarendon Street. French. Dinner from £9.90. Lunch from £5.90.

La Plaza Tapas Bar 10 Little Clarendon Street. Spanish. Lunch from £5.95. Main course £9.

Café Rouge 11 Little Clarendon Street. French. Dinner from £7.95.

Porters Restaurant and Bar.

Browns 5-11 Woodstock Road. Main course from £8 to £16.

Wok&Roll 4-6 Woodstock Road. Chinese restaurant and takeaway. Set dinner from £15 to £36.

Pubs and Bars

Where mentioned, food is available. Food is usually served until about 1900 to 2030. Standard pub food includes burgers, lasagne, steak, sausage and mash, chicken tikka masala and fish and chips. Pubs close at 2300, bars sometimes open later.

The Turf Tavern Well-hidden, pokey and inexplicably popular. Bath Place, off Holywell Street/Queen's Lane. Map reference F4.

The King's Arms Corner of Parks Rd & Holywell Street. Map reference E4.

Holywell's Bar & Brasserie 38 Holywell St. Map reference E4.

Angels Bar. Little Clarendon. Map reference C3.

Duke of Cambridge Pub. Little Clarendon. Map reference C3.

The Grapes 7 George Street. Map reference C4. Meal from £5 to £6.

Cock and Camel 24 George Street. Map reference C4.

Lamb and Flag Map reference D3. Food £3.50-5.

The Goose By the Gloucester Arms. Map reference D4. Has a large beer garden and the occasional barbecue. Food roughly £5, with meal deals (with drink) starting from £3.

Old Orleans On George Street. Map reference C4. Mississippi themed pub/restaurant, serves cajun and creole cooking. Burgers £7-10, main courses £9-13.

Three Goats Heads By the Oxford Union. Map reference D5. Has an unusual selection of drinks. Food £5-6.

O'Neils On George Street. Map reference C4. Chain Irish theme pub. Burgers £5, main courses £6-7.

The Chequers Map reference E6. Has three pool tables and two quiz machines. Food £6.

The Mitre Map reference E5. Food £8-12.

The Pub Oxford By the Cricketer's Arms. Map reference I7. Lots of games machines including a games console. Food £5.

Head of the River Map reference E8. Large beer garden on the river. Punting nearby. Food £8-9.

Freuds Map reference B2. A converted church with live music and local art. Serves calzone, bagels and ciabattas for £5-6.

Baby Map reference C2. Mediterranean bar, serves cocktails. Food £13.

Copa On George Street. Map reference C4. Serves a range of continental beers. Food £7-8.

All Bar One 124 High Street. Wine bar aimed at over 21s. Sharing platters for three £11. Burgers, salads, steaks £7-10.

Quod Map reference E4. Bar and grill. Large sun terrace. Food £8-10.

Thirst Map reference B5. Cheap cocktails, open late.

11 Nighttime Entertainment

Below is a description of some of the cinemas/theatre/etc. in Oxford. Please check the websites for what's on information. Map references refer to *Oxford by Night*.

For more information (including gigs and concerts), see the *What's On* section of <http://www.dailyinfo.co.uk/>.

Odeon Cinemas Mainstream cinema. Split between George Street (map reference D5) and Magdalen Street (map reference D4).

<http://www.odeon.co.uk/> (go to "Times and Booking (text version)" if Flash doesn't work.)

Phoenix Picturehouse Map reference B1. More arthouse, but not completely obscure.

<http://www.picturehouses.co.uk/site/cinemas/Oxford/local.htm>

Ultimate Picture Palace Map reference J7. No frills cinema showing films from all over the world. Also fairly cheap.

<http://www.ultimatepicturepalace.co.uk/>

New Theatre Map reference D5. Lots of shows and musicals.

<http://www.thisistheatre.com/regional/oxfordtheatre.html>

Oxford Playhouse Map reference D4. As the name suggests, the focus is on plays rather than shows.

<http://www.oxfordplayhouse.com/>

Jongleurs Map reference B5. Stand-up comedy, unfortunately only on Thursdays, Fridays and Saturdays.

<http://www.jongleurs.com/>

12 Emergency and Other Information

Prefix for Oxford phone numbers: + 44 1865.

For more information about Oxford, visit the dailyinfo website: <http://www.dailyinfo.co.uk/>.

Emergency Services

The number for emergency services in the UK (Fire, Police, Ambulance) is 999 or 112. The international standard emergency telephone number for GSM mobile phone networks is 112.

Taxis

Hackney Cabs You can pick one up at a taxi rank at St.Giles, Gloucester Green (tel: 770077), or the railway station. You can also hail Hackney cabs in the street.

Fares: A minimum of £1.50, then about 90p per mile (Sample Fares: the city centre to any of the Park and Rides is about 3 miles and costs about £4, Heathrow - £55, Gatwick - £90, Central London - £75)

Hackney Cabs are licensed and limited in numbers by the city council. However they are also reputed to have a generally better local knowledge than drivers of hire cars. They are made specifically for their job and provide easier access for those with mobility difficulties.

Hire Cars Hire cars (or minicabs) are not licensed individually (rather on a per company basis) and are normally not specialised vehicles.

They are not allowed to pick up passengers who hail them on the street. You need to phone their HQ and they will send a vehicle for you. They are often cheaper than a Hackney Cab.

Fares vary.

Contact: ABC Taxis: 770077 or 775577. RadioTaxis: 242424 or 249743. 001 Taxis: 240000. Royal Cars: 777333

CCB Airport Cars Tel: 876699. Run to and from Heathrow, Gatwick, Luton and Birmingham.

13 Sponsors

The organisers would like to thank Merton College and the Computing Laboratory for both financial support and much time from their staff. Thanks are also due to the British Logic Colloquium for the gift of student bursaries.

CSL05 Local Organizing Committee

William Blum
Matthew Hague
Jolie de Miranda
Andrzej Murawski
Luke Ong
Sam Sanjabi
Nikolaos Tzevelekos

August 2005, Oxford

14 Conference Programme

Sunday 21 August 2005

18:00 - **Reception and Registration**, Savile Room, Merton College
- 20:00

Monday 22 August 2005

08:30	Registration , foyer of Dennis Sciama Lecture Theatre, Denys Wilkinson Building Chair: <i>Luke Ong</i> Semantics and Logics
09:00	<i>Ulrich Berger</i> . An Abstract Strong Normalization Theorem (<i>Invited Lecture</i>)
10:00	<i>Matthew Collinson, David Pym and Edmund Robinson</i> . On Bunched Polymorphism
10:30	Coffee
	Chair: <i>Ian Stark</i>
11:00	<i>Tom Murphy, Robert Harper and Karl Crary</i> . Distributed Control Flow with Classical Modal Logic
11:30	<i>Jiri Adámek</i> . A Logic of Coequations
12:00	<i>Shin-ya Katsumata</i> . A Semantic Formulation of $\top\top$ -lifting and Logical Predicates for Computational Metalanguage
12:30	Lunch
	Chair: <i>Ulrich Berger</i> Type Theory and Lambda Calculus I
14:00	<i>Paula Severi and Fer-Jan de Vries</i> . Order Structures on Böhm-like Models
14:30	<i>Colin Stirling</i> . Higher-order Matching and Games Constructive Reasoning and Computational Mathematics I
15:00	<i>Branimir Lambov</i> . Complexity and Intensionality in a Type-1 Framework for Computable Analysis
15:30	Tea
	Chair: <i>Luke Ong</i>
16:00	<i>Vasco Brattka and Matthias Schröder</i> . Computing with Sequences, Weak Topologies and the Axiom of Choice Linear Logic and Ludics I
16:30	<i>Pierre-Louis Curien and Claudia Faggian</i> . L-nets, Strategies and Proof-nets
17:00	<i>Jean-Marc Andreoli, Gabriele Pulcini, and Paul Ruet</i> . Permutative Logic
17:30	<i>Kaustuv Chaudhuri and Frank Pfenning</i> . Focusing the Inverse Method for Linear Logic
	Evening Event
19:00	EACSL Annual General Meeting , Fitzjames Room 1, Merton College

Tuesday 23 August 2005

	Chair: <i>Julian Bradfield</i>
09:00	<i>Matthias Baaz</i> . Proof Theory of Analogical Reasoning and Juridical Logic (<i>Invited Lecture</i>) Linear Logic and Ludics II
10:00	<i>Esfandiar Haghverdi and Philip J. Scott</i> . Towards a Typed Geometry of Interaction
10:30	Coffee
	Chair: <i>Bakhadyr Khoussainov</i> Constraints
11:00	<i>Hubie Chen and Víctor Dalmau</i> . From Pebble Games to Tractability: An Ambidextrous Consistency Algorithm for Quantified Constraint Satisfaction
11:30	<i>Ashish Tiwari</i> . An Algebraic Approach for the Unsatisfiability of Nonlinear Constraints
12:00	Lunch
13:15	Excursion to Bletchley Park . The coaches will leave from the junction of Keble Road and Parks Road at 13:15.

Wednesday 24 August 2005

	Chair: <i>Janos Makowsky</i> Finite Models, Decidability and Complexity
09:00	<i>Maarten Marx</i> . XML Navigation and Tarski's Relation Algebras (<i>Invited Lecture</i>)
10:00	<i>Marcin Mostowski and Konrad Zdanowski</i> . Coprimality in Finite Models
10:30	Coffee
	Chair: <i>Etienne Grandjean</i>
11:00	<i>Michael Benedikt and Luc Segoufin</i> . Towards a Characterization of Order-Invariant Queries over Tame Structures
11:30	<i>Bakhadyr Khoussainov and Sasha Rubin</i> . Decidability of Term Algebras Extending Partial Algebras
12:00	<i>Emanuel Kieroński</i> . Results on the Guarded Fragment with Equivalence or Transitive Relations
12:30	Lunch
	Chair: <i>Arnaud Durand</i>
14:00	<i>Bruno Courcelle and Christian Delhommé</i> . The Modular Decomposition of Countable Graphs: Constructions in Monadic Second-Order Logic
14:30	<i>Balder ten Cate and Massimiliano Franceschet</i> . On the Complexity of Hybrid Logics with Binders
15:00	<i>Julian Bradfield and Stephan Kreutzer</i> . The Complexity of Independence-Friendly Fixpoint Logic
15:30	Tea
	Chair: <i>Bruno Courcelle</i>
16:00	<i>Antonina Kolokolova</i> . Closure properties of weak systems of bounded arithmetic Ackermann Award Presentation
16:30	<i>Johann Makowsky</i> , EACSL President and Jury Chair
16:45	<i>Mikołaj Bojańczyk</i> . Decidable Properties of Tree Languages
17:15	<i>Konstantin Korovin</i> . Knuth-Bendix orders in automated deduction and term rewriting <i>Nathan Segerlind</i> . New Separations in Propositional Proof Complexity
	Evening Event
19:30	Conference Banquet , Merton College

Thursday 25 August 2005

	Chair: <i>Damian Niwiński</i> Verification and Model Checking
09:00	<i>Anatol Slissenko</i> . Verification in Predicate Logic with Time: Algorithmic Questions (<i>Invited Lecture</i>)
10:00	<i>Julian Bradfield, Jacques Duparc and Sandra Quickert</i> . Transfinite Extension of the Mu-Calculus
10:30	Coffee
	Chair: <i>Colin Stirling</i>
11:00	<i>Witold Charatonik, Lilia Georgieva and Patrick Maier</i> . Bounded Model Checking of Pointer Programs
11:30	<i>Carsten Lutz</i> . PDL with Intersection and Converse is Decidable
12:00	<i>Filip Murlak</i> . On Deciding Topological Classes of Deterministic Tree Languages
12:30	Lunch
	Chair: <i>David Pym</i> Type Theory and Lambda Calculus II
14:00	<i>Frédéric Blanqui</i> . Decidability of Type-checking in the Calculus of Algebraic Constructions with Size Annotations
14:30	<i>Bruno Barras and Benjamin Grégoire</i> . On the role of type decorations in the Calculus of Inductive Constructions Constructive Reasoning and Computational Mathematics II
15:00	<i>Mircea-Dan Hernet</i> . Light Functional Interpretation - an optimization of Gödel's technique towards the extraction of (more) efficient programs from (classical) proofs
15:30	Tea
	Chair: <i>Neil Immerman</i>
16:00	<i>Michael Soltys</i> . Feasible Proofs of Matrix Properties with Csanky's Algorithm Implicit Computational Complexity and Rewriting
16:30	<i>Steven Perron</i> . A Propositional Proof System for Log Space
17:00	<i>Carsten Schürmann and Jatin Shah</i> . Identifying polynomial-time recursive functions
17:30	<i>Guillem Godoy and Ashish Tiwari</i> . Confluence of Shallow Right-Linear Rewrite Systems
18:00	End of Conference