Copenhagen proposal to host

International Conference on Theorem Proving



ITP 2011





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1. Application







1.1. Associate Professor Carsten Schürmann and Associate Professor Joseph Roland Kiniry

Herewith, we officially declare our interest to host the 24th International Conference on Theorem Proving in Higher Order Logics in August 2011. We kindly ask the Steering Committee of the THPOLs Conference Series to take our application into account.

Proposed date

August 23 – 26, 2011

Venue

IT University of Copenhagen – www.itu.dk Rued Langgaards Vej 7 Copenhagen, Denmark

Why ITP 2011 at the IT University of Copenhagen in Copenhagen?

We believe that the IT University and Copenhagen have many competitive advantages as a potential host of ITP 2011.

Venue: The IT University has been hosting international events of similar size or 2-3 times bigger than ITP 2011. The university's Facilities Management Department takes care of all logistic matters including arranging catering while conference experts at the Research Department coordinate the organization of such events. Various lecture halls, lecture rooms and meeting boxes of different sizes and equipped with necessary facilities will be at ITP 2011's disposal. See more details on page 7 and page 23.

Finance: On page 28 of this bid, we present a thorough estimated budget which illustrates that hosting ITP 2011 in Copenhagen is economically feasible. Without having discussed sponsorship with several potential sponsors yet, we suggest a regular fee of 500 EUR and student fee of 380 EUR. Once we have won the bid, it is our ambition to bring these fees down to 450 EUR and 300 EUR, respectively, by fundraising. Already now, we can assure a free, excellent retreat at the Copenhagen City Hall.

Accommodation: Copenhagen offers more than 20,000 hotel and hostel rooms at all categories. Most of them offer excellent facilities ranging from gourmet restaurants to state-of-the-art meeting and IT facilities. Budget accommodation is from 18 EUR per night per person and the local organizers will make special discount contract with some selected hotels within easy reach to the IT University, the city centre and the airport. See more details on pages 31-33

Transportation: Copenhagen is easy to get to and easy to get around. Copenhagen airport, the preferred low cost carrier in Scandinavia, has won numerous prizes for quality, design, customer satisfaction and efficiency. Copenhagen city offers advanced and developed public transport infrastructure. The IT University has an ideal distance to the Copenhagen international airport and the city centre and recommended hotels. Conference delegates can easily get to the university between 8 to 15 minutes, either from the airport or from the city centre and recommended hotels. See more details on pages 36-39.





Visa application: IT University has good experiences with helping conference delegates from visa-obliging countries in visa application by providing them with an invitation letter individually and even faxing the letter to the embassy in their country of residence on request. This practice will be applied in the case of ITP 2011.

Weather: August is summer time in Denmark. It's pleasantly warm and beautiful.

Local attractions: Gastronomic Copenhagen has a lot to offer when it comes to sights and attractions. See more details on pages 25-26. ITP 2010 conference delegates can bring their family along and spend an extended vacation in the city of design and gastronomy, in the country of Hans Christian Andersen.



2. Invitations







2.1. IT University of Copenhagen







2.2. Lord Mayor, City of Copenhagen

CITY OF COPENHAGEN The Lord Mayor ITP Steering Committee Date February 2010 February 2010 Document Invitation to host: International Conference on Theorem Proving 2010-111901 Dear ITP Steering Committee, As Lord Mayor of Copenhagen, I am delighted to learn that Copenhagen is being considered as host of the prestigious International Conference on Theorem Proving in 2011, and I hereby wish to assure you of my wholehearted support for this bid. Copenhagen would be the proud to host the International Conference on Theorem Proving - ITP 2011 in Copenhagen would without doubt boost awareness of, and contribute to, development in the field of Higher Order Logics. In choosing Copenhagen as your host city, we would welcome you to one of the most popular congress cities in the world. Congress guests in Copenhagen can enjoy the benefits of Scandinavian design, functionality and professionalism, as well as every conceivable variety of modern technology. The city offers state-of-the-art conference facilities and hotels as well as compactness, with the majority of hotels and attractions within walking distance of each other. The capital of one of the oldest kingdoms in the world is easily accessible for your delegates. In Copenhagen your delegates will be surrounded by the sea, and experience a flourishing cultural life, creative growth and a vibrant atmosphere in which they can meet the easy-going and openminded Copenhageners. Copenhagen's goal is to be the world's leading environmental capital. The city is already very green and climate-conscious with an unprecedented network of bicycle paths; a world class public transport system; and wind turbines just off its coast supplying a large proportion of the city's energy. And the Municipality of Copenhagen is continuing to invest heavily in environmental projects. Our goal is to reduce Copenhagen's total CO2 emissions by 20% between 2005 - 2015 and make this the world's first CO2-neutral capital by 2025. On behalf of the City of Copenhagen, I would most warmly welcome the International Conference on Theorem Proving and its delegates to Copenhagen in 2011. And, as an expression of our hospitality, we would very much like to welcome you to Copenhagen City Hall for a complimentary reception Furthermore, I hope that all the delegates, while having an unforgettable convention experience, will also have the opportunity to enjoy City Hall Copenhagen, and take home with them many happy memories from our DK - 1599 Copenhagen V vibrant yet cosy metropolis. Yours faithfully Telephone +45 3366 3366 Telefax Jensen +45 3366 7008 rd Mayor of Copenhagen Direct telephone +45 3366 2202 E-mail ob@okf.kk.dk





2.3. Wonderful Copenhagen, CVB

Febuary 2010 Ref.: LSM	
	Gammel Kongevej 1 1610 Copenhagen V Denmark
	Tel.: +45 3325 7400 Fax: +45 3325 7410 www.visitcopenhagen.d
To the ITP Steering Committee	
I am delighted to learn, that Wonderful Copenhagen might be in the position of welcoming International Conference on Theorem Proving to Copenhagen in 2011	;
By this letter I want to assure you that we will make every possible effort to guarantee that the event in Copenhagen will be an outstanding and memorable success.	
Copenhagen has a proved tradition of hosting cultural, sport, scientific and medic meetings going back more than a century. We hope that xxx will become an important addition to the long list of international events our city has hosted to the pride and benefit, not only to Copenhagen itself, but also to your own society and delegates whom will attend.	he
Copenhagen is easy to get to, it is easy get around, and hard to forget. Massive i investments and a new political and economic landscape in our part of the world lifted Copenhagen and the Øresund to become one of Europe's most prosperous regions.	
With the combined bridge/tunnel linking Copenhagen to Sweden close to the airp the new metropolitan region can be reached directly from more than 123 destina worldwide. And you will also find the largest concentration of knowledge institution representation of global companies, meeting facilities, hotels and not least cultur Northern Europe.	itions ons,
We will be pleased to host a site inspection for relevant representatives of ITP Steering Committee in order to present the city and its facilities.	
Should you need any further assistance, we are obliged to assist you.	
Yours sincerely,	
Wonderful Copenhagen	
et berney	
Lars Bernhard Jørgensen Managing Director	
The official Convention and Visitors Bureau of the Greater Copenhagen Area	



3. Local Organisation







3.1. The Organisers and Conference committee

The IT University of Copenhagen (ITU) is a teaching and research-based tertiary institution concerned with information technology (IT) and the opportunities it offers. ITU was established in 1999 by the Danish Ministry of Science, Technology and Innovation to do teaching and research in IT including development of IT technology, its use, its interaction with other academic areas and its growing importance for all aspects of society. Approximately 1,500 students are enrolled in the university. There are around 60 full-time faculty staff and 45 PhD students working in and across six faculty groups. ITU delivers internationally leading teaching and research contributing to an improvement of our ability to create value with IT – nationally as well as internationally. Teaching and research in information technology span all academic activities that involve computers including natural sciences, humanities and social sciences, business impact and the commercialization of IT. ITU has a unique IT focus and expertise and constantly directs its efforts to ensure the quality and relevance of its research and educational programs.

Since its establishment, ITU has had a tradition for close collaboration with other research organizations as well as industry and professional and industrial bodies, nationally as well as internationally. Currently, ITU is in the process of becoming a globally interactive university with faculty, students and staff working in international teams. It is a very good example of how a small university by being innovative and globally interactive can achieve a lot – both in terms of academic standards and in terms of creation of value.

ITU has a strong programming language theory and logic group with a strong research track record within semantics, process algebras, proof assistant technology, mechanization of the meta theory of programming languages.

Carsten Schürmann has been Associate Professor at the IT University of Copenhagen since 2005. Prior to his appointment, he was assistant professor at the computer science department at Yale University. He received PhD degree from Carnegie Mellon University, and he is a recipient of the prestigious NSF CAREER award, awarded in 2001. Schürmann is one of the principal developers of the Twelf proof assistant, the concurrent logical framework Celf and the dependently typed programming language Delphin. Schürmann is Head of the PhD school at the IT University of Copenhagen.

Joseph Kiniry is an Associate Professor in the Software Development Group at the IT University of Copenhagen. He has published nearly fifty peer-reviewed academic and industry publications, has sat on nearly thirty program committees of major international conferences, and has started and run a half dozen technology firms. He earned his PhD from California Institute of Technology and has held positions in the USA, Netherlands, and Ireland. He has raised more than €1.5 million of research funding over the past five years, including two EU framework program grants. In industry, he has advised several companies through multiple rounds of funding, regularly provides consultation in applied formal methods, software engineering, security, and computer-based voting, and has helped found companies ranging in topic from safety-critical software (KindSoftware) to VLSI (Fulcrum Microsystems) to computer gaming (DALi). He is frequent speaker at international venues, including several invited keynote talks at major conferences, and has been an active in advising or influencing the Dutch and Irish governments on issues relating to computerbased voting.





Conference and Program Chairs

Carsten Schürmann IT University of Copenhagen E-mail: carsten@itu.dk Joseph Roland Kiniry IT University of Copenhagen E-mail: joseph.kiniry@itu.dk

At the time of writing, we have not taken any steps to form the program committee. This will happen once we know if this bid is successful. We will use EasyChair for an online PC meeting.

In general, our intention is to follow the usual organization of TPHOLs/ITP conferences like the 2010 ITP conference in Edinburgh.

If this bid is successful, we will appoint a Workshop Chair and a Publicity and Publication Chair, who is also responsible for maintaining the conference website. The administrative staff at the ITU will help to facilitate room arrangements, registration and payment.

Student Volunteers and other resources

Student volunteers are the backbone of any successful conference. A supportive student volunteer unit with participation of 10 - 12 students will be organized and the local organization will announce and recruit these students during May and June 2011. The accepted volunteers are anticipated to work as agreed upon (primarily on shift) and scheduled during the conference and the workshops. They will be given a great opportunity to participate in the program, network and socialize.

The Communication Department at the IT University of Copenhagen will, in close cooperation with the Conference Chairs, be responsible for facilitate communication with the press.





3.2. Tentative Conference Schedule

The proposed conference schedule is similar to previous successful TPHOLs conferences. Depending on the number of collocated workshops, we suggest holding them the day before the conference, on August 22, 2010 at the IT University.

The conference will have one main track. We suggest 25min + 5 min discussion for technical paper presentations. We also plan to have three invited talks and about four invited tutorials. We plan for seven technical sessions and one poster session. Therefore, we plan to accept ca. 25 papers. The schedule below may vary depending on the number of invited speakers/tutorials.

Tuesday, August 23	Wednesday, August 24	Thursday, August 25	Friday, August 26
Registration	Registration	Registration	Registration
Invited Talk	Invited Talk	Invited Talk	Invited Talk
Invited Tutorial	Invited Tutorial	Invited Tutorial	Invited Tutorial
Coffee provided	Coffee break	Coffee break	Coffee break
Session I	Session 4	Session 6	Session 8
3 papers	3 papers	3 papers	3 papers
Lunch	Lunch	Lunch	Lunch
Session 2	Session 5	Session 7	End of Conference
3 papers	Poster Session	3 papers	
Coffee provided	Coffee break	Coffee break	
Session 3	Business Meeting	Excursion	
3 papers			
Reception	Steering Committee	Banquet	
	Dinner		





3.3. Public Relations and Outreach

The Department of Communication at ITU that is in charge of ITU's internal and external communication will be involved in public relations. The current tasks of the department include:

- Branding and overall design of the IT University's internal and external communication;
- Student recruitment campaigns (posters, booklets, web...) nationally and internationally;
- Overall design and content of itu.dk and providing advice and guidelines for subpages;
- Stakeholder communication, including press management;
- Providing advice for university staff on communications issues.

The department has a broad relation with both Danish and international press.

Wonderful Copenhagen, the official convention and visitors' bureau of the Greater Copenhagen area, will voluntarily help with publishing the conference on the congress calendar of Copenhagen and provides consultancy regarding, among others, planning and marketing the conference.





4. Why Copenhagen





4.1. Copenhagen - The Greenest City in Europe

Copenhagen is one of the most popular conference cities in the world due to its easy accessibility, general level of efficiency and low crime rate. The city is also wellorganized offering short distances between hotels and conference facilities, state-of-the-art meeting facilities and first-class cultural activities.

Copenhagen has a history as one of the great design capitals of the world with some of the world's most stunning modern architecture and interiors. A one thousand-year history, tales from the oldest monarchy in the world, fairytale writing and celebrated international designers awaits the delegates in the medieval streets, 17th-century canals, and modernist architecture of Copenhagen.

Copenhagen has just been awarded the title: **'Greenest City in Europe'** based on a major analysis on the environmental sustainability in 30 large cities in 30 European countries made by Siemens and The Economist. The results were presented on the Climate Change Convention 8th December 2009. Please see Meetpie.com news page under general information.

There are many reasons for this: Even before you land at Copenhagen Airport, you can see the wind turbines out in the sea beyond the harbour entrance - And if you are lucky enough to arrive during the summer you will be able to spot people swimming in the sea and the harbours around Copenhagen.

The 'green meeting' is a reality in Copenhagen thanks to its eco-labeled hotels, organic foods, recycled furniture and environmentally friendly transport options. So why not go green in Copenhagen?

Green transportation

Scandinavian Airlines (SAS), which is the largest airline serving Copenhagen, offers customers the opportunity to offset carbon-dioxide emissions. To make it even easier for congress organizers SAS has launched a Carbon offset program for international congresses and events as part of the SAS Official Airline Product.

Copenhagen offers a highly advanced and developed public transport infrastructure. The new Metro – which has just been voted best in the world – has lately been extended to the airport and now connects central















Copenhagen to the airport in just 12 minutes. Recently Copenhagen introduced an environmental zone in the city centre, which ensures that all heavy traffic is subject to strict environmental rules in order to enter the inner city.

In Denmark practically everybody rides a bike, and in 2008 bicycle-friendly Copenhagen was named the world's first Bike City by the International Cycling Union, UCI. Currently 36% of all Copenhageners choose to cycle to their place of work or education. Together they cover more than 1.1 million km by bike each day. In fact Copenhagen was one of the first cities in the world to implement a City Bike system. So while you are here, why not do like the Copenhageners? Jump on a bike to exercise, to experience or simply to get around quickly and easily.

Also worth considering is that Copenhagen is one of the most 'walkable' cities in the world. Copenhagen's compact city centre makes walking between meeting venues, hotels, sights, restaurants and shopping areas a matter of minutes.

Eat green

Fish from Gilleleje instead of shellfish from Chile or Danish hazelnuts apples instead of Peruvian asparagus. These are some of the ideas behind the 35 restaurants, which so far have chosen to become climate-restaurants or serve climate-friendly menues. In fact, few of the world's metropolitan cities can match Copenhagen's consumption of organic foods: 51% of food consumed in the city's public institutions is organic. Copenhageners' appreciation of organic food is also evident in their city's wide range of organic restaurants, cafes and delis.

A natural way of life

Water is one of the distinguishing features of Copenhagen - Whether it be the sea that surrounds it, the canals that wind their way through its heart, or the many lakes, ponds and fountains to be found in its parks and nature reserves.

It is a principle of the city's environmental strategy that every Copenhagener should be able to walk to a park, beach or harbor bath in under 15 minutes.

Environment Metropolis

In 2007 Copenhagen launched its environment strategy, "Eco-Metropole - Our vision 2015", in which the city aims to show a global environmental leadership.

The vision has four themes: World's best city for bicycles, Centre for world climate policy, A green and blue capital











city, A clean and healthy major city.

Today every citizen has reduced their yearly contribution to global warming from 7 to 4.9 tons compared to 1990 figures. This is set to be reduced a further 20 percent by 2015.

A major factor in the reduction of the city's carbon emissions is the district heating system to which 97 per cent of the Copenhageners are connected. This saves 625.000 tonnes of carbon emissions every year.

Copenhagen also has efficient methods of processing the 1.5 kilos of garbage produced by every Copenhagener each day. Half of this waste is transformed into electricity and district heating at the Amagerforbrænding.

Efficient public transport systems also help to keep down CO2 emissions – part of the city's state-of-the-art Metro, recently named the best in the world.

Social activities

There are several ways to engage your participants in environmentally friendly activities.

Why not enjoy the sights of Copenhagen from the back of a bike? Companies like Copenhagen Tours and City Safari arrange guided tours. In central Copenhagen the world famous city bikes are free to use, which is a quick and environmentally friendly alternative to cars, busses and taxis when getting around in the city.

Or enjoy the architectural gems and historical buildings as you glide slowly through Copenhagen's canals in a kayak. Kajakole's tours include stops for refreshments at a cozy café in Christianshavn.

Another possibility is to visit some of the farms e.g. Krogerup Avlsgaard or Fuglebjergaard outside the city offering teambuilding activities and culinary sessions with food and micro brewed beer in organic settings.



of Copenhagen





Facts about Green Copenhagen:

- Scandinavia is home to one of the world's best, most modern and integrated energy systems
- Denmark is a pioneer within sustainable, efficient and intelligent energy
- Denmark has one of the highest proportions of sustainable energy in the world – and it continues to increase
- The world's first environmental law was passed in Copenhagen





4.2. ICT in Scandinavia

Denmark is one of the world's most developed countries in terms of Information and Communication Technologies. Denmark and our neighbouring country Sweden are always in the top five in international surveys of the penetration of Information and Communication Technologies. This is due to a very positive attitude towards IT throughout the two societies.

The Oresund's Region has more than 100.000 ITC employees, 12,000 companies, 12 universities with together 8,000 students and more than 500 public researchers all within ICT. The region is located in the Greater Copenhagen area, including the Southern part of Sweden.

In Denmark we are proud of the fact that we have the highest rate of Internet penetration, mobile phone penetration and e-business implementation in Europe -Together with the highest ICT spending level per capital in the world. Denmark's leading position within IT is acknowledged by the Economist Intelligence Unit (EIU), as the nation possessing the most "E-readiness" in the world (2008). Among the factors considered in this extensive study were broadband and mobile phone penetration, business environment, and e-commerce trends.

Copenhagen and Denmark has a has a broad range of strengths:

The world's most sophisticated public sector in terms of IT usage

- Public/private R&D programs position Denmark as a leader regarding new technologies
- Highly skilled workforce holistic thinking, selfmotivated while team-spirited
- A population with the highest IT-literacy in the world
- One of the world's highest IT-penetrations in both private homes and industry
- Northern Europe's largest IT human resource area Copenhagen and Southern Sweden
- World class software development
- Recognition in design, user friendliness and quality excellent test market a manageable market-size and a willingness to use new products



Denmark - The World 's IT nation

Once again Denmark lead the rankings of *The Global Information Technology Report 2008-2009*.

Rank	Country	
1	Denmark	
2	Sweden	
3	USA	
4	Singapore	
5	Switzerland	
6	Finland	
7	Iceland	
8	Norway	
9	Netherlands	
10	Canada	

Source: The World Economic Forum.

World class conditions for ICT

For the second consecutive year, Denmark leads the ranking in the World Economic Forum's assessment of the IT competences in 127 countries. Denmark is ranked best in the use of computers, the Internet and mobile telephony. Additionally, a recent survey shows that no less than 88 % of the Copenhagen hotels and meeting places offer wireless networks.





4.3. Subvention Possibilities for ITP 2011

Wonderful Copenhagen Convention and Visitors Bureau would be delighted to welcome the ITP 2011 to Copenhagen in.

We are happy to offer ITP Steering Committee the following, should you choose to host your international congress in our beautiful city:

- **Complimentary site inspection** including transportation, accommodation and meals for relevant decision makers of the ITP Steering Committee. We will coordinate the programme to match the requirements for the ITP 2011.
- Free assistance to ITP Steering Committee in making contact with the local press.
- **Complimentary welcome reception** at Copenhagen Town Hall for up to 600 people during the ITP 2011.
- **Discounted Congress Travel Passes** giving your delegates unlimited transportation on metro, bus and train within the selected area.
- Assistance in obtaining participation of a high profile royal, a relevant minister or the Lord Mayor at the opening ceremony of the ITP 2011 in Copenhagen.
- **Special Congress Airfare** through SAS Official Aircarrier Agreement.
- Complimentary city maps and tourism information brochure for the delegate conference bags.

Additional free assistance from Wonderful Copenhagen Convention & Visitors' Bureau*:

Free Planning

• Wonderful Copenhagen act as a liaison between you and over 130 member suppliers ranging from professional congress or-ganisers to hotels and transportation companies. We can for example assist with:









- Gathering hotel proposals and securing hotel accommodation.
- Making contact to local authorities and suppliers; PCOs, incoming agencies, coach operators etc.
- Contacting supplier-members for translators, technical equipment etc.
- Coordinating and escorting site inspections
- Providing contacts for exciting itineraries and special events such as theme parties and cultural activities at unique events venues.

Free Promotion

We can assist you with promotional plans and presentations to enhance the attendance of your event with:

- Promotional items such as postcards and posters
- Literature and brochures featuring Copenhagen's attractions
- Audio/visual presentations that could help you promote your congress
- Promotional videos, slides and photographs
- Recommendations for pre and post stays
- Links to our web page

See also: www.meetincopenhagen.com/congress

Wonderful Copenhagen is the official convention & Visitors bureau of the Greater Copenhagen area. Wonderful Copenha-gen is a non-profit organisation and all our services are free of charge.











5. Suggested Venues







5.1. Main conference and workshops



Distance and transportation calculations Distance from Copenhagen city centre (the City Hall Square) By bus/cap/car: 3km (ca. 5-7 min.) Distance from Copenhagen International Airport By underground: 8.5km (ca. 20 min.) By cap/car: 9km (ca. 12. min.) Distance from Copenhagen Central Station By bus/cap/car: 3km (ca. 5-7 min.)

For the arrangement of the ITP 2011, we propose various lecture halls, lecture rooms and meeting boxes at ITU.

The Atrium

The Atrium is where information desk of ITU is located and where entrance to different lecture halls and seminar rooms are. The can be entered from both sides and is relevant for receptions, exhibitions and parties. The Atrium will be used for registration, lunch and coffee breaks, and reception purposes.

Capacity: 400 persons by comfortable seating and 600 persons by standing

Auditorium 2

Like Auditorium 1, Auditorium 2 is fully equipped and provides comfortable seats for up to 130 people. Auditorium is located on the ground floor and can be used for welcome and main conference sessions.

Lecture rooms and meeting rooms/boxes

Any of the 13 lecture rooms (with space for 24 - 77 persons) and/or meetings rooms/boxes (with space for up to 20 persons) on the 2^{nd} , 3^{rd} and 4^{th} floors can be at the disposal of the ITP 2011 workshops and/or related group meetings and discussions.





5.2. Venues for Social Events

Copenhagen and surroundings have a large and exciting variety of venues for receptions, dinner and social gatherings. On the following pages you will find a small selection of off-site venues for social events.

Copenhagen City Hall – An excellent reception hall for ITP 2011 Welcome reception

The beautiful and historic City Hall was built in the years 1892-1905 and designed by architect Martin Nyrop. Both the City Hall and the shell shaped square are inspired by the city hall and square in Siena, Toscana, Italy. In this way Nyrop combined the older Danish architecture with Italian renaissance. Up to 600 delegates. Offered free of charge to ITP 2011 (conditions apply).

The Royal Playhouse

The Royal Danish Playhouse in Copenhagen is to become Denmark's new national stage for the dramatic arts The waterfront foyer, promenade and footbridge terrace will be a great venue for ITP 2011 conference dinner. From the Playhouse it is possible to stroll along the scenic oak footbridge, which connects the foyer with Nyhavn and the city's main harbourfront promenade, Langelinie. The restaurant capacity is for seated dinner 70-80 guest.

Harbour and Canal Tours

A camera is an absolute must on this tour, since some of Copenhagen's sights are seen much better from the waterfront.

At the old Fishmarket, a canal boat is waiting to take you on a cruise through the harbour of Copenhagen. From the boat you can see the many towers of Copenhagen, the Little Mermaid and the picturesque canals of Christianshavn with its wealth of well-preserved old buildings including the church of Our Saviour.

The tour ends in the heart of Copenhagen – at Gammel Strand, only a few minutes away from the main shopping and pedestrian street Strøget.













5.3. While you are here...

Copenhagen and surroundings offer a great concentration of sights and attractions ranging from museums, world class architecture to green oasis and harbour swim baths. Please find below a selection of major attractions in Copenhagen, all located in the city centre.

Tivoli Gardens

Is one of the world's oldest amusement parks and is situated right in the centre of Copenhagen. A stroll through the Gardens is nectar to the senses. It is a world of flowered gardens, coloured lights, live concerts and entertainment. Have a reception in the beautiful garden or in the Aquarium Hall housing the longest saltwater aquarium in Europe. www.tivoli.dk.

Gastronomic Copenhagen

Copenhagen and surroundings have a large variety of exciting restaurants, cafes and eateries. In the last few years a mouthwatering array of inventive, modern and stylish new restaurants has opened in the city, transforming Copenhagen into a major gourmet destination. The highly respected Michelin Guide has rewarded Copenhagen with a total of 12 stars.

The Little Mermaid

The little Mermaid sitting at Langelinie in Copenhagen since 1913, is one of Denmark's biggest tourist attractions and the symbol of Copenhagen. Not very large, but hugely popular, she measures just 1.25 meter (approx 4 feet) high. The Little Mermaid symbolizes the fairytale by Danish poet Hans Christian Andersen, which tells the story of a mermaid who fell in love with a prince from land, and often came up to the edge of the water to look for her love.

Amalienborg Palace and Garden

Copenhagen is the seat of Europe's oldest monarchy and probably the most popular, too. Queen Margrethe II, conduct her royal affairs at Amalienborg Palace, next to Amaliehaven Park at the harbour's edge. Right by the Palace you will see the stunning Marble Church (Frederiks Church). The building was commenced in 1749 but not completed until 1894.

Statens Museum for Kunst

Statens Museum for Kunst is the Danish National Gallery. It is Denmark's principal art museum and covers a wide aspect of art history. The collections date back to the 16th century when the Danish kings, like other European













princes, established their own art collections. The highlights include the Dutch inspired 17th century, Danish 19th century, emphasizing the Danish golden age, as well as international and Danish art from the breakthrough of modern art to contemporary art. www.smk.dk

Danish Museum of Art & Design

It is a contemporary museum for Danish and international crafts and design and is among the premier exhibition venues in Scandinavia. The museum is a centre of knowledge whose collections, archives, and library combine to make up the leading institution for research on design history in Denmark. www.kunstindustrimuseum.dk

Rosenborg Palace

Queen Margrethe II's crown jewels – and the treasures amassed by her ancestors through 500 years – are on display in the palace vaults. Rosenborg Castle is a beautiful renaissance castle, first built as King Christian 4th's country house in 1607, and nowadays a museum in the middle of the Renaissance park called Kongens Have – The King's Garden – just a few streets away from Kongens Nytorv, the King's New Square.

Nyhavn

Running from Kongens Nytorv, a picturesque canal filled with moored sailing boats, runs down to the main harbour, dividing the two sides of Nyhavn. It's a popular meeting place, and perfect for enjoying a drink in one of the many open-air cafes, restaurants and bars. As soon as the sun is out in early spring, the Danes move the chairs and tables outside and from the first summer day the quay is crowded with people the wonderful atmosphere of the seaside location.

Louisiana Museum of Modern Art

Drive up the scenic northern coast to a spacious old park with a beautiful view to Sweden. This is where the famous Louisiana Museum of Modern Art is situated. The museum houses an exquisite collection of modern art by international artists such as Arp, Francis Bacon, Alder, Max Ernst, Kiefer, Henry Moore, Andy Warhol, Picasso and many more. Every year Louisiana has 6-8 changing exhibitions of modern and contemporary art. The park serves as an ideal setting for displaying the museum's collection of modern sculptures.











6. Finances







6.1. Estimated Budget

The following budget is a preliminary budget without considering the way a typical ITP conference is normally organized from a monetary point of view. The budget is presented to illustrate that hosting and organizing ITP 2011 in Copenhagen is economically feasible. Please note that by the time this budget is prepared, we have not discussed sponsorship with other potential sponsors than the Research School FIRST (www.first.dk). If we succeed in raising about 6,000 euro, registration fee for regular participants will be reduced from 500 euro (current level) to 450 euro whereas registration fee for students will be remarkably reduced from 380 euro to 300 euro. Registration fee includes 4 breakfasts, 4 lunches, 7 coffee breaks, 1 excursion and 1 banquet. The IT University assures a free, excellent reception at the Copenhagen City Hall.

Budget for 80 participants

A. EXPENDITURES (gross cost basis)	In euro		
Invited keynote speakers	4,026.85		
Conference banners (design and printing)	671.14		
Steering Committee dinner (budgeted for 8 persons)	536.91		
Proceedings and freight	4,268.46		
Materials	701.34		
(notebooks, pens, conference folders, conference bags, name badges,	etc.)		
Registration assistant	4,530.20		
Catering (breakfasts, lunches & coffee breaks)	12,603.36		
Social events (excursion and banquet)	8,024.93		
Transport to the reception place	536.91		
Bank transaction fee	812,50		
(ca. 3.75% for foreign transactions and we assume 65 participants have to pay)			
T-shirts for volunteer students	96.64		
Flowers for decoration	134.23		
Expected sub-total expenditures	36,943.47		
Contingency (5%)	1,847.17		
Expected total expenditures incl. contingency	38,790.65		

B. INCOME	In euro
Registration fees	
Early regular registration fee (48 at 500 euro)	24,000.00
Student registration fee (32 at 380 euro)	12,160.00
Student volunteers (5)	0.00
Total registration fees	36,160.00
Sponsorship from FIRST research school	4,532.20
Expected total income	40,690.20
•	-

Expected profit

1,899.55





6.2. Sponsorship

As mentioned above, we have only discussed the first sponsor that is the FIRST research school. FIRST is willing to pay for all working hours which a registration assistant has to spend on assisting the conference. Furthermore, FIRST is also willing to pay for registration fee for its PhD members – a way to help increase the number of participants.

To ensure a successful enrolment of the conference, we expect to secure both public and industrial sponsors and will be working towards a detailed plan once the bid is approved. It is out ambition to raise up to 6,000 euro in sponsorship from this group (FIRST is not included here, of course).





7. Accommodation







7.1. Accommodation in Copenhagen

Rooms in every category

Currently Copenhagen offers more than 20,000 hotel rooms spanning from five-star hotels to the budget-price contemporary designed rooms of Europe's largest city hostel. In recent years Copenhagen has seen an increase in its hotel capacity, and a large number of existing hotels have undergone transformations into modern and designled hotels. Today Copenhagen offers a wide selection of contemporary hotel accommodation.



Sustainable accommodation

During 2009 the amount of eco-labeled hotels in Copenhagen has increased tremendously. At the moment 51% of the hotel rooms in Copenhagen are certified with an eco-label. The certification indicates that the hotel has been awarded one of the three eco-labels: The Nordic Ecolabel (The Swan), The EU Eco-label (The Flower) or a Green Key. The eco-label certification guarantees that the hotel meets the highest environmental requirements. These requirements are contained in a number of criteria: Environmental demands (waste procedures, use of water, electricity etc.), demands on policy, action plans, education and communication etc.

Excellent Facilities

The hotels in Copenhagen offer an array of high quality facilities ranging from gourmet restaurants to state-of-art meeting and IT facilities. All major hotels offer free high speed Internet.

Centrally Located

Most of the 20,000 hotel rooms are located in the city centre and.

Centrally located some of Copenhagen's most famous attractions are only a short walk away from the hotels. For instance the incomparable Tivoli Gardens and the Royal Theatre - as well as the famous international shopping streets adjacent to the Royal Palace.



Copenhagen Hotel Facts:

Total number of rooms in Greater Copenhagen: 20.360

Current hotel capacity:

No. of hotels	No. of rooms
6	1.609
44	8.575
60	5.796
16	2.429
5	198
33	1.915
164	20.360
	hotels 6 44 60 16 5 33

January 2010

Total number of rooms in the Øresund region: 28.000

IT facilities

All major hotels offer free wireless high speed Internet

International hotels in Copenhagen

- Best Western
- Choice Hotels
- First Hotels
- Hilton
- Intercontinental
- Marriott
- Radisson BLU
- Scandic

Distances & travel time

• City Centre to airport: 8 km

Copenhagen Airport to Kgs. Nytorv (city centre):

- By car: 16 min.
- By metro: 12 min.



7.2. Budget Accommodation

In Copenhagen there are great opportunities for staying at several interesting types of budget accommodations. The city presents everything from designer hostels and Bed & Breakfasts to budget hotels, which all provide a Danish cosy atmosphere combined with a personal touch. Prices from 18 EUR pr. night pr. person.

Hostels

Danhostel Copenhagen Amager is the second largest hostel in Copenhagen with 528 beds. It is located in a green area with the Copenhagen Congress Center, Bella Center, as its closest neighbour. Prices from 19 EUR pr. night pr. person.

Danhostel Copenhagen City is a five star designer hostel. It has 192 rooms with 1,020 beds, which makes it the biggest designer hostel in Europe. This exclusive youth and family hostel, is just at Langebro on H.C. Andersens Boulevard, and is already a landmark for entry to the City of Copenhagen. Apart from the building 's exceptionally fine view over the city's roofs, the opera house and Islands Brygge, it is very centrally located within walking distance of the city hall square, the Tivoli gardens, the main railway station and Holmen. Prices from 18 EUR pr. night pr. person.

Hotels

Cab Inn Copenhagen has 600 rooms in 3 central locations. All rooms are furnished as luxury cabins, with a maximum capacity of up to 4 persons in the same room. All rooms have private bath, toilet, television and telephone, as well as electric kettle with free tea and coffee. Prices from 66 EUR pr. night pr. person.

In 2009 the new and stylish hotel Wakeup Copenhagen opened in the heart of Copenhagen – It is designed by Kim Utzon. Wakeup Copenhagen is located within walking distance of Tivoli Gardens, Town Hall Square, the pedestrian shopping streets and the waterfront. It has 510 en-suite rooms, with free Internet connection standard in each one, plus all the usual mod-cons required these days for a pleasant stay over. Prices from 62 EUR pr. night for a single room.

For more information on accommodation please see: www.visitcopenhagen.com













7.3. Recommended Accommodation for ITP 2011

Copenhagen offers a wide range of affordable accommodation including budget hotels, designer hostels and Bed & Breakfasts.

The hotels below are just a small overview over recommended hotels in the city centre close to the venue (IT University of Copenhagen).

The Local Organising Committee of ITP 2011 will negotiate special rates for the ITP 2011 delegates, the prices listed in the overview is average prices in 2009 categories 2 - 5 star hotels.

Hotel name	Category	No. of rooms	Distance from hotel to IT University of Copenhagen	Average rates in EUR (2009)
Radisson SAS	5-star	542	1.40 km	€ 260,-
71 Nyhavn	4-star	150	3.0 km	€ 200,-
Kong Arthur	4-star	155	4.18 km	€200,-
Opera	3-star	91	2.90 km	€ 140,-
Cabl nn Scandinavia	3-star	201	4.0 km	€ 75, - 92,-
CabInn Metro	2-star	709	0.5 km	€ 75,-/92,-
Wake-Up hotel	Not Classified	510	3.20 km	€ 80- 100
Hostels	Category	No. of rooms	Distance from hotel to IT University of Copenhagen	Rate in EUR (2009 per bed)
Danhostel Copenhagen City	5-star	192	1.5 km	€ 17,46 – 26,19



8. Transportation







8.1. SAS Airlines

٩	AS
ITP Steering Committee	Tei +45 3232 2151 e-mail: corventions@sas.dk
CPHSY/SN	February 2010
 2011. We would like to take this opportunity to suggest a copenhagen will be chosen for the Conference in 20 SAS as Official Airline for the International Conference in 20 Appointing SAS as Official Airline can add prestige t participants that SAS is supporting them. As a long and Conference Association, SAS has great experier Through an Agreement, we would suggest the follow decision of holding the Conference in Copenhagen N Special Conference discounts will be available for Business Class, Economy Extra and Economy Clast regional airline partners. A dedicated event code and online booking platfor tickets with discount. SAS can assist the Organizer in making the air trans one of these points and proposals are of course su has been chosen as the venue for the Conference. 	2011. The con Theorem Proving. The Event, and also it is a recommendation to the standing member of ICCA - the International Congress the in cooperation with international events. Wing cooperation in the planning period after the tas been taken: The delegates and accompanying persons on SAS the delegates and accompanying persons on SAS s. Discounts are applicable on SAS routes and selected In will be available for the delegates booking their well to the Event Carbon Neutral. Libject to further negotiations as soon as Copenhagen Soffers all customers to voluntarily balance their CO2 pates can enter their journey in the SAS Emission
Sus Nygaard Manager, Conventions and Events Scandinavian Airlines Sys	tem Denmark Norway Sweden





8.2. Easy to get to and easy to get around

Copenhagen Airport

In recent years Copenhagen Airport has won numerous prizes for quality, design, customer satisfaction and efficiency. Copenhagen Airport is Northern Europe's main traffic hub with direct flights from approximately 130 destinations all over the world, including 18 intercontinental, 89 European, 14 Nordic and 6 domestic routes.



The Airport is situated on the island of Amager, eight kilometres South-east of Copenhagen. The city centre can be reached within 12 minutes by metro or train. This is by far the fastest transfer time from airport to city centre of

Green Take-offs

any European capital city.

Every day, hundreds of flights are given permission to deviate from standard procedure and instead perform a so-called "green take-off" when they leave Copenhagen Airport. The aircraft climb continuously to their optimal operating level and turn onto the planned route earlier than normal. The green take-offs at Copenhagen Airport reduce CO2 emissions by 32,000 tonnes!

Low Cost Airlines

Copenhagen Airport is the preferred low cost carrier airport in Scandinavia. Low cost traffic made up approximately 15% of all scheduled services in the first quarter of 2009, offering close to 45 low cost routes.

Europe's best and most efficient airport

Copenhagen Airport has received several awards and recognitions. Most recently "Europe Airport Efficiency Excellence Award" 2009 by the Air Transport Research Society (ATRS). For two consecutive years, the Airports Council International (ACI) has rated Copenhagen Airport the best in Europe in the 10-25 million passenger category, ahead of 29 other airports. *Source: ACI 2009*

Transfer time from airport to city centre by bus/train (in minutes)

Copenhagen	12	
Amsterdam, Schiphol	15	
Vienna	16	
Stockholm, Arlanda	20	
Bruxelles Airport	20	
Madrid Barajas Airport	25	
Barcelona Airport	25	
Rome, Fiumicino Airport	35	
Helsinki	35	
Source: Airport Homenages 2000		

Source: Airport Homepages 2009

Green take-offs

On an annual basis green take-offs means that aircraft taking off from Copenhagen Airport save some 10,000 tonnes of fuel and several million Danish kroner while also cutting CO2 emissions by almost 32,000 tonnes.







In 2010, Copenhagen Airport opens a new terminal, CPH Swift. The purpose of CPH SWIFT is to attract new, efficient airlines and provide passengers with cheaper fares to a wider range of destinations. The new terminal is an integral part of the existing terminal structure and will have an annual capacity of 6 million passengers.

Access to CPH by Road and Train

Copenhagen is strategically located and well connected to the rest of Europe making domestic and international travel easy.

Road

All major road networks of Europe connect to Copenhagen through bridges or by way of ferry services. These include: from Sweden – E20 (Øresund bridge), 3 (ferry from Helsingborg); from Germany – E47 (ferry from Puttgarden), E55 (ferry from Rostock); from Jutland E20.

Train

Copenhagen is linked to the rest of Europe by rail with frequent connections to major cities in Europe. The Central Station is located within walking distance of a large number of hotels. The Oresund Bridge allows easy access to Sweden - With the fast rail link Malmö city centre is only 22 minutes away. The table below shows the travel time to selected destinations.

City	Duration (hours: min)	City	Duration (hours: min)
Amsterdam	11.19	London	14:51
Basel	11:13	Luxembourg	12:08
Berlin	06.45	Malmö	0:22
Brussel	12:33	Milano	16:32
Dortmund	7:51	München	11:21
Düsseldorf	08:43	Oslo	08:22
Firenze	22:36	Paris	13:11
Frankfurt	08:18	Roma	24:03
Geneve	14:04	Salzburg	13:35
Göteborg	03:54	Stockholm	05:16
Hamburg	04:34	Strasbourg	10:52
Hannover	05:56	Stuttgart	10:11
Helsingfors	19:56	Venezia	20:31
Innsbruck	14:34	Wien	15:40
Köln	09:03	Zürich	12:18

Source: International Train Planner (http://plannerint.b-rail.be/) January 2010

Easy to get around

Copenhagen is a compact city and everything is close at hand. Most hotels, restaurants, sights and shops are within walking distance. Unlike any other European capital



Low cost airlines at CPH

Air Berlin Cimber Sterling Danish Air Transport EasyJet Germanwings Iceland Express Niki Norwegian Transavia.com Source: www.cph.dk January 2010



The Øresund Bridge

Driving distances to

Copenhagen from: Amsterdam: 904 km Berlin: 743 km Brussels: 1,035 km London: 1,196 km Paris: 1,329 km Rome: 2,352 km Stockholm: 630 km Vienna: 1,345 km Source: www.europe.org



DSB train

• IT University

city, Copenhagen has few traffic problems and no congestion, which guarantees minimal travel times between any of the locations in and around the city. Swift and easy transport is available between Copenhagen Airport, Bella Center and the city centre.

Public transport in Copenhagen and surroundings is comfortable, efficient and safe. It is easy to get around and to transfer between buses, harbour buses, trains and the Metro - all on the same ticket.

The Metro

The Metro's fully automated trains guarantee effective and fast link between the large urban areas. The Metro is operating around the clock. During peak periods trains run every 90 seconds from stations above and below ground level. The Bella Center has its own Metro station.

Transfer time from Kongens Nytorv Station in the heart of the city to Copenhagen Airport is only 12 minutes.

Trains and buses

Trains and buses are plentiful and run frequently to all parts of the country as well as in the city of Copenhagen.

In addition to the traditional means of public transport the city has two harbour buses functioning just like ordinary buses. They serve the central part of Copenhagen Harbour and make it easy to travel between the centre of Copenhagen and Christianshavn/Holmen/The Opera House.

Recently a new climate-friendly bus route opened in Copenhagen. The electric driven CityCirkel buses run every seven minutes and take you to some of Copenhagen's top attractions.

Travel Passes for Congres Participants

The Copenhagen Transport Authority (Movia) issues special discount travel cards for delegates of larger conferences. These cards can be used on the Metro, the buses, waterbuses and the trains in the Greater Copenhagen area. The card offers great savings compared to a normal day ticket.

Taxi and car rental

If you prefer to get around by car, you can either hail a taxi or rent your own vehicle – these are available in all sizes. You will find numerous car rental firms in both the city centre as well as at the airport, many of them familiar international companies.



The Metro

World's Best Metro

Copenhagen's Metro has been voted the world's best at the Metrorail 2008 Conference in Copenhagen 2 April. The jury consisted of transport specialists from all over the globe. Among the reasons for the decision were Copenhagen Metro's high stability, passenger satisfaction and security.



Climate-friendly buses



Harbour Bus







Taxis are comfortable and clean. They are plentiful and generally easy to hail. All taxis are clearly licensed and operate at fixed mileage rates depending on the time of day. Most of them accept all major credit cards.

Walking and Bicycling

Copenhagen was the first city to introduce pedestrian streets and many visitors find walking an enjoyable and relaxed way of getting around. Most attractions in the city centre are located close to each other, and since Copenhagen is a safe city, walking is an attractive option. Copenhagen is also known as the "City of Cyclists". This is due to its longstanding and lively cycling tradition with a cycle track network of some 300 km and its free City Bikes.



36 % of all Copenhageners go to work or their educational institution by bike.

Journey time by bus, train, metro and car

Copenhagen Airport to Kgs. Nytorv (city centre):

- By car: 16 min.
- By metro: 12 min

Copenhagen Airport st. to Central Station (city centre):

- By car: 15 min.
- By train: 12 min.
- By bus: 29 min.



9. General Information







9.1. References

Every year Copenhagen hosts many congresses and events, both large and small. A selection of the major congresses in recent and coming years:

- IUPHAR International Union of Pharmacology (July 2010) 7,000 delegates
- vmWorld (October 2010) 5,000 delegates
- COP15 Un Climate Change Convention (Nov-Dec 2009) 30,000-delegates
- IOC Session and Olympic Congress (October 2009) 4,000 delegates
- EULAR European Congress of Rheumatology (June 2009) 10,000 delegates
- World Conference on Choral Music (July 2008) 4,000 delegates
- European Association of Anaesthesiologists (June 2008) 5,000 delegates
- EHA Meeting of the European Hematology Association (June 2008) 6,500 delegates
- EANM European Association of Nuclear Medicine (October 2007) 4,000 delegates
- European Association for the Study of Diabetes (September 2006) 15,000 delegates
- Rotary International (June 2006) 16,000 delegates
- UEGW United European Gastroenterology Federation (October 2005) - 8,000 delegates
- ESHRE European Society for Human Reproduction and Embryology (June 2005) 5,000 delegates
- ECCMID -European Society for Microbiology and Infectious Diseases (April 2005) - 4,500 delegates
- SAPPHIRE 2005 (April 2005) 7,000 delegates
- Microsoft IT Forum Europe (November 2003) 3,000 delegates
- ECCO 12 European Cancer Conference (September 2003) 10,000 delegates
- Oracle World (June 2002) 3,500 delegates

See the congress calendar at:

http://www.meetincopenhagen.com/content/meetings_and_conventions/news/meeting_and _convention_calendar





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