



ICEE-2012

Contributing to Success through Innovations in Engineering Education

Turku 30.7. - 3.8.2012

Welcome to Turku 2012



TURUN AMMATTIKORKEAKOULU
TURKU UNIVERSITY OF APPLIED SCIENCES

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A. NAME OF CONFERENCE

ICEE-2012: Contributing to Success through Innovations in Engineering Education

B. PROPOSED CONFERENCE EMPHASES/THEMES

The conference will be devoted to studying various aspects how to develop engineering education in the direction of giving students means to challenge their global future. These themes could be categorized:

- * Academic and administrative issues
- * Accreditation / assessment issues
- * Creating innovations through R&D work
- * Entrepreneurship in engineering education
- * Innovative curriculum design
- * Learning environments
- * Partnership for success
- * Producing global competence for engineers
- * Integrating research
- * Technology for teaching and learning
- * Others

C. DATES AND LOCATIONS

The conference hosted by Turku University of Applied Sciences will be held in Turku, Finland, from 30th July to 3rd August 2012. The conference will include regular sessions with oral

presentations, global and technical sessions, panel discussions and poster presentations. The proposed dates conform to the standards and tradition of previous ICEE conferences.

D. PROPOSED THEMES

The post-conference international workshop will be held in Turku on 4th August, 2012. It is proposed that the main workshops themes include:

The CDIO engineering education initiative, Entrepreneurship, Future engineers at the customers surface. Details concerning the workshops themes and organization will be delivered in future updated versions of the ICEE-2012 call for papers.

E. PLANS FOR PUBLICATIONS OF PROCEEDINGS

The conference invites papers on the proposed conference topics describing original work, emphasizing completed or well advanced, rather than intended research. Submissions should contain original material that has not been previously presented to the scientific community. Papers can be submitted in two categories: full papers and short papers, where full papers will be given an oral presentation and short papers presented as posters. Full papers should describe substantial research with carefully evaluated results, while short papers are more appropriate for presenting ongoing research and preliminary results.

The proceedings will be published on CD-ROM, well before the Conference ICEE 2012 in Turku. A www-site will be opened and it will also include the full PDF version of the proceedings after the conference. Registration of at least one of the authors of each paper is required for manuscripts that are included in the conference proceedings, and authors are expected to participate in the conference to present their work.

At present it is not planned to publish either the conference



papers nor abstracts in printed form. The Organizing Committee will work thoroughly through the ICEE 2012 contributions and will propose the authors on the conference subjects. The Organizing Committee would also consider the possibility of publishing especially coherent and valuable groups of papers in the form of books. In this case the Organizing Committee will assist the authors in the task of finding proper editors, the publishers and promoting the books.

F. PROPOSED SCHEDULE

- * 1 – 1,5 Year Prior to Conference (January 2011)
First Call for Papers

- * One Year Prior to Conference (at Preceding ICEE)
Distribute brochures about Conference on site (August 2011)

Second Call for Papers (August 2011)

November-December of prior year: mail out reminders/third call for papers

- * During Year of Conference

January 15:	Abstracts Due
February 28:	Notice of Acceptance
April 1:	Camera-Ready Manuscripts Due
April 1:	Registration Materials and Hotel Information Mailed
May 15:	Early-Registration Deadline
End of July: (5 Days)	Conference and Joint Workshop

G. HOSTING INSTITUTIONS

The full responsibility of this conference is taken by Turku University of Applied Sciences (TUAS, Turun ammattikorkeakoulu). TUAS is going to arrange the conference in close cooperation with TUCS (Turku Centre of Computer Science, a virtual IT-faculty of University of Turku, Åbo Akademi University and Turku School of Economics)

H. PROPOSED CONFERENCE CHAIR AND CO-CHAIRS

The services of a professional organisation dedicated to conference arrangement may be employed as necessary to assist in practical organisation tasks as needed. For example, the Congress Office of the University of Turku (one of the member institutions of the co-host TUCS) provides a full range of services for this purpose.

Dr Janne Roslöf will take the role of Organization Committee Chair and will be responsible for the general Conference related activities.

The role of General Chair will take **Dr Olli Mertanen** and the role of Co-Chairs will be taken by **Professors Hannu Tenhunen** (UTU) and **Johan Liljus** (ÅU).



Other Chairs and Co-Chairs will be taken by the highest authorities of TUAS and TUCS.

Dr. Jerker Björkqvist received his PhD in process design in year 2002, in the area of distributed optimization methods. Since 2002, he has been working as an assistant professor at the Embedded Systems laboratory at Åbo Akademi University. His current main research topics are related to coding meth-



ods used in digital broadcasting technology, and his research group is closely cooperating with European partners developing DVB-H and DVB-T2 technology. He has also actively been involved in education development in the faculty, as well as acting as supervisor in numerous master theses.

Dr. Liisa Kairisto-Mertanen is the Dean, Technology, Environment and Business at Turku University of Applied Science (since 2004). She has a long industrial background selling the products of information technology. Special field of expertise is selling and contribution to the development of selling skills of students within the field of engineering. Received doctorate in Turku School of Economics in 2003. Participation in different projects aiming at developing the learning environment to the direction of involving students more in the learning processes.

Dr. Juha Kontio is currently Director of Education in the

school of Telecommunication and e-Business at Turku University of Applied Sciences. His special field is data management and databases. His current research interests are in organizational issues of Information Systems and in IS/IT education. He has a long experience in higher professional education and he has actively developed engineering education at Turku University of Applied Sciences. At the moment he is managing locally an education reform introducing active learning and deeper integration with the working life. In addition, he is active in the international network sharing similar education development initiatives.

Prof. Johan Lilius is a full Professor of Computer Engineering leading the Embedded Systems laboratory at TUCS. He is also a member of the Finnish national Centre of Excellence for Formal methods in programming. He has been involved in a number of industrially funded projects in Finland, and has served on the program committees of conferences related to system design. He has organized conferences, summer schools and workshops. He is currently site-leader in the B21C (Broadcasting for the 21st Century) CELTIC-project, the D-Mint (Deployment of Model Based-Technologies to Industrial Testing) ITEA-project, several large TEKES projects in the area of embedded systems, as well leading several smaller industrial projects. He is an affiliate member of ARTIST2 NoE, and the Åbo Akademi University representative at ARTEMISIA.

Dr. Olli Mertanen is Vice President of Turku University of Applied Sciences (since 2004). Long industrial background in communication technologies as well as in engineering education in the field of information technologies. Received diploma in digital technology (1979) and doctorate in technical sciences (1992) in computer communication from Tampere University of Technology. At the moment he is active in the field of enhancing creation of innovation as a result of co-operation between industry and University. Dr. Mertanen is actually a member of all involved parties, in TUAS and in TUCS as well as in KOY-ICT.

Dr. Seppo Niemi has made his career within R&D and teaching related to internal combustion engines, starting at Wärtsilä

Corporation, Finland. At present, Niemi works as fixed-term Professor of Energy Technology at the University of Vaasa, Finland. Additionally, Niemi holds a Principal Lecturer position at Turku University of Applied Sciences (TUAS). Dr Niemi's research focuses on emissions reduction of and alternative fuels for diesel engines of different sizes. He has published several international papers within this area. Dr Niemi has also supervised numerous theses and worked as pre-reviewer of dissertations. Over the years, Dr Niemi has been active in developing the Bachelor of Engineering education in Mechanical Engineering and has participated in various professional and administrative committees. Currently, he is a member of the TUAS board

Dr. Janne Roslöf is Principal lecturer in software engineering and Degree program manager at Turku University of Applied Sciences (TUAS), Finland. Before joining TUAS he held several

positions in industrial telecom software R&D. His main research interests are in software engineering processes, decision support systems and industrial optimization applications. Dr. Roslöf has also an active role in the development of engineering education practices in Finland.

Prof. Hannu Tenhunen is the Director of Turku Centre for Computer Science (TUCS), professor of Computer Systems at the University of Turku and professor of Electronic System Design at the department of Information and Communications Technology at the Royal Institute of Technology (KTH), Sweden. He has been awarded honorary doctor degree from Tallinn University, Estonia, appointed honorary professor of Beijing Jiaotong University, China and Fudan University, Shanghai, China as well as adjunct professor at the Chinese University of Hong Kong. He received the degrees of Diploma Engineer from Helsinki University of Technology (1982) and Ph.D from Cornell University (1985) with a major in Microelectronics and has made an extensive international academic career with a focus on microelectronics systems and their design.

Dr. Jukka Tuohi is Principal lecturer in physics at Turku University of Applied Sciences since 1992, senior lecturer or teacher from 1976-1992 at TUAS, teaching physics, applied mathematics, mathematics, thermodynamics, computer sciences etc., teacher and researcher at University of Turku from 1969 to 1976. PhD on reorientational motions in inorganic solids using nuclear magnetic resonance. Publications include two series of physics books on engineering education, a booklet on creativity development in engineering education, scientific papers and conference papers on physics and pedagogics, many other different articles and various study booklets. Postgraduate diploma in professional development (PD) in 1999. Studies: physics, applied mathematics, mathematics, computer science, chemistry, social politics, environmental protection, philosophy, pedagogics, adult education, and tutoring. Has acted as a chairman of both Physics Association and Teachers of Engineering Education in Turku, and as a secretary of Society of Exact Sciences.

Dr. Raija Tuohi Principal lecturer in Mathematics at Turku University of Applied Sciences (TUAS) since 1987, teacher from 1979 at TUAS, teaching Mathematics and Statistics in the degree programme in information technology and also some other degree programmes in engineering education, research assistant at University of Turku from 1977 to 1979. PhD thesis on formal languages 1979. Postgraduate diploma in professional development (PD) in 1999. Studies: mathematics, physics, computer science, chemistry, statistics, pedagogics, adult education, and tutoring. Conference papers on pedagogics



Dr. Juhani Soini, Adj. Prof., Ph.D., M.Sc.eng, Juhani Soini is currently functioning as Director of Education at Turku University of Applied Sciences, Faculty of Biosciences and Business. Previous academic appointments has been as acting professor of medical physics and technology at University of Turku, and head of the Finnish DNA microarray centre, and, Adj.Prof. of biomedical instrumentation and bioanalytical measurement technology at University of Turku and Tampere University of Technology. He has also been working for SME companies in field of medical instrumentation and bioinformatics. His scientific interests are in field of biomedical instrumentation and data management systems.

Dr. Seppo Virtanen received his B.Sc. in applied physics and M.Sc. in electronics and information technology in 1998, and his D.Sc.(Tech.) in communication systems in 2004 from the University of Turku, Finland. In 2005 he was appointed to public office as senior lecturer of communication systems at the department of Information technology, University of Turku, where he was elected instructor of the year in 2007 by students. He is a member of two departmental degree programme development workgroups and the faculty workgroup for curriculum development. He is a two-time receiver of the Nokia scholarship, a three-time receiver of the HPY research foundation grant, and in 2007 he was awarded two-year funding for building an IT security curriculum at the University of Turku by the Technology Industries of Finland Centennial Foundation. He is an IEEE member and a reviewer for several international journals and conferences. His teaching and research interests include hardware/software co-design, embedded communication systems and computer and network security.



I. INTRODUCTION TO THE HOSTING INSTITUTION(S)

TURKU UNIVERSITY OF APPLIED SCIENCE (TUAS)

Building upon educational traditions dating back to the 19th century, Turku University of Applied Sciences is a multidisciplinary institution of higher education that offers competitive qualifications for international careers in six multidisciplinary faculties.

Building upon educational traditions dating back to the 19th century, Turku University of Applied Sciences is a multidisciplinary institution of higher education that offers competitive qualifications for international careers in seven educational fields.



History of Turku University of Applied Sciences 1992–2007

1992 Temporary Technical Polytechnic of Turku is founded
1996 Scope expanded into Temporary Multidisciplinary Polytechnic is founded

2000 Merger with the Temporary Polytechnic of Southwest Finland
2003 Post-graduate degree experiment begins
2005 TUAS begins granting Master's degrees

MISSION: Turku University of Applied Sciences accepts responsibility for the development of the highest professional knowledge and skills and expertise in Southwest Finland. The future oriented education along with research & development activities promote livelihood and well-being based on ecologically and ethically sustainable development.

VALUES:

STAKEHOLDER AND CLIENT ORIENTATION

We operate in a client oriented manner with both internal and external stakeholders. Our operations are future oriented. We respond to the needs of working life on a client oriented basis.

PROFESSIONALITY

Skills and knowledge, expertise and professional competence are the key elements in our work. We value the ability to maintain and develop professional skills. We support the personal growth of our students. Our working life connections are built regionally, nationally, internationally. We are a desired collaboration partner.

PRODUCTIVITY

We accomplish high quality results. Our work is responsible, high in quality and carried out in a discerning manner. We commit ourselves to common goals and objectives.



Work community orientation interaction is open, transparent and based on appreciation and respect for colleagues. Community oriented approach and respect for humanity strengthen the basis of co-operation. We respect and value each other. We act in co-operation in an open and equal manner.

The well-being of staff is our goal.

REGIONALITY

We also meet the working life needs of the region, and the operations of our regional units respond to the needs of the region. The regional goals of TUAS include developing the entrepreneurial Southwest Finland.

STRATEGY

The strategic goal of Turku University of Applied Sciences is high quality learning: operations are continually developed with quality systems, evaluations and personnel development. The outcomes of research & development are utilised in the teaching. Client oriented operations will have an impact on changes in the operational environment. Livelihood is increased especially in the top branches of the area, i.e. life sciences, ICT and naval and metal industries.

THE TASKS OF UNIVERSITIES OF APPLIED SCIENCES

Presently, TUAS has almost 10000 students studying in 37 degree programs for Bachelor's and in 9 degree programs for Master's degree. Ca. 75 percent of our graduates find employment in Southwest Finland. Postgraduate studies in Turku are offered by the University of Turku, Åbo Akademi University, and Turku School of Economics, which together have over 3000 postgraduate students.

Turku University of Applied Sciences provides also continu-



ing education to 5500 students annually. Applied research also plays a significant role in its work.

TUAS EDUCATIONAL UNITS (FACULTIES)

ARTS ACADEMY AT TUAS

Cultural education in Turku also has a long history. The Turku School of Fine Arts was established in 1830, the Turku Conservatoire in 1962 and the Turku School of Arts and Communication in 1991. The tradition of all the above educational institutions are preserved within the walls of Arts Academy.

Degree programmes: Music, Fine Arts, Performing Arts, Media Arts

THE UNIT OF HEALTH CARE

The unit of Health Care has 1400 students in the Bachelor's and Master's Degree programmes under the supervision of more than 100 experts. As a higher education community we promote health and well-being also by offering high quality research and development services.



Degree Programmes: Emergency Care Nurses, Midwives, Nurses, Public Health Nurses, Dental Hygienists, Medical Laboratory Technologists, Radiographers and Masters in Health Care.

TELECOMMUNICATION AND E-BUSINESS

Education in the unit is based on two fields of knowledge: telecommunication and e-Business. These two fields are connected with the data/information they manage and that they both are global functions. E-Business produces information that is transferred further with the means of telecommunication. Both fields also emphasize internationality. In addition, both fields enable versatile and innovative way of working.

Degree Programmes: Information Technology, Electronics, Business Information Technology, Business, Library and Information Services.



LIFE SCIENCES AND BUSINESS

Learning environment at Life Sciences and Business unit is shaped by internationally oriented study programmes which combine life sciences, business and ICT. The objective of the unit is to educate engineers and bachelors/masters of business administration for the needs of local companies, industry and R&D activities. Location in the middle of Turku Science Park provides excellent possibilities for cooperation with BioTurku and ICT clusters as well as other enterprises and organisations.

Degree Programmes: Bio Technology and Food Technology, Laboratory Technology, Business, Business Information Technology, International Business Management and Masters in Entrepreneurship and Business Know-how

WELL-BEING SERVICES

The unit of Well-Being Services creates possibilities by education, research and development. The unit of well-Being Services has more than 1000 students in the Bachelor's and Master's Degree Programmes.

Degree Programmes: Business, Beauty Care, Occupational Therapy, Physiotherapy, Social Services, Hospitality Management, Business Information Technology and Masters in Hospitality Management, Social Services and Rehabilitation.

TECHNOLOGY, ENVIRONMENT AND BUSINESS

Technology, Environment and Business is a multi-disciplinary faculty at Turku University of Applied Sciences which provides students with a choice of five different Bachelor Degrees and two Masters Degrees.

The unit works in close co-operation with local enterprises and other institutions of working life. The studies include various types of project work and real-life business assignments. In

all our degree programmes, particular attention is also paid to entrepreneurship, business administration and today's international working environment.

Degree Programmes: Engineering, Design, Business Administration, Restoration, Fisheries and Environmental Care, Sustainable Development and Master in Engineering

TUCS

Turku Centre for Computer Science (TUCS) (www.tucs.fi) is a joint research and education centre between the three universities in Turku; University of Turku, Åbo Akademi University, and Turku School of Economics. These three participating institutions of higher education each rank among the largest and most acknowledged in Finland in their respective fields. TUCS was

established in 1994 and coordinates research and education in the field of Information Technology at the Master's and Graduate Schools levels, with 35 professors, 65 Ph.D. level researchers, 120 doctoral students and 2000 Master's students in four participating departments. Research at TUCS covers a wide range of areas ranging from the theoretical to the applied, including Algorithmics, Bioinformatics, Communication Systems, Discrete Mathematics, Embedded Systems, Information Systems, Mathematical Modeling, Microelectronics, and Software Engineering.

During the recent years, the Turku region has established a strong basis in research and education in information and communications technology. The strength of TUCS is its unique combination of basic and engineering sciences within the ICT sector and its strategic alignment with the partner universities.

TUCS actively supports the strengths and research profiles of the three universities in Turku as well as the strategic development areas of the Turku and Salo regions. The centre has a strong international profile and many of the master's and doctoral students as well as postdoctoral researchers come from abroad. The working language of most research is English and the advanced level courses are taught in English.

TUCS is situated in the Turku ICT building, the city's largest centre of information and communications technology research and education. TUCS participates regularly in organizing workshops, summer schools and it also publishes a joint technical report series as well as doctoral dissertations and conference proceedings.



J. INTRODUCTION TO THE HOSTING CITY/REGION

Turku - the Oldest City in Finland

Situated in the southwestern part of the country, Turku is the oldest city in Finland. The name "Turku" has its origins in the slavic word "torg", meaning a trading post. The city's Swedish name, Åbo, refers to the first inhabitants (åbobo) along the riverside. Turku has never been founded; instead, the town sprang



up along the Aurajoki River.

City life is focused around the river, on whose shores some of the most interesting sights, including the Turku Castle and Finland's national shrine, the Turku Cathedral, are situated. The Old Grand Market Square, the site of the declaration of Christmas Peace every year, is also located by Aurajoki.

The Aurajoki River can be regarded as the heart of Turku, and during summer especially, people gather on its shores. Down the riverside, there are several restaurant boats. Quite the experience can be had by taking Finland's only ferryboat, "Föri", which takes passengers from Turku to Åbo, i.e. across the river, free of charge. The many water-buses, which provide passenger service to the archipelago, add their own particular flair to Turku during summer. Also, Viking Line and Silja Line ferries offer regular service to Sweden from the Turku harbour year round.

Turku is also known for its wide variety of cultural offerings. Summer at Brinkkala, Down by the Laituri Festival, the Medieval Market, Finland's oldest rock festival Ruisrock, Turku - Finland's Christmas City, and the Turku Music Festival. In addition, the plays put on by many of the city's theatres, are popular among audiences. Turku offers something for everyone!

Today Turku is one of the most popular conference towns in Finland hosting numerous international conferences every year, such as the upcoming IEEE Computer

Software and Applications Conference (COMPSAC) and Symposium on Applications and the Internet (SAINT) events in 2008. Turku is large enough to provide all the services that a major conference may require, yet small enough to make the delegates and their families feel at home during their stay.

TRAVELLING TO FINLAND AND TURKU

Turku has an international airport with several daily connections to Helsinki, Stockholm and Copenhagen, and many airlines offer flights to Turku through one of these three hubs.



Turku airport is about eight kilometers from the city center, and is serviced by a regular bus connection; the trip takes approximately 20 minutes.

Turku can also be reached easily from Helsinki, the capital of Finland, which is approximately 170 kilometers from Turku. There is a direct bus connection between the Helsinki airport and Turku city center that takes approximately 2 hours and 30 minutes, and hourly train connections that take less than 2 hours from Helsinki central train station to Turku.

Come to Love the Turku Archipelago

The largest archipelago, and according to many, the most amazing archipelago in the world awaits, closer than you can imagine. It takes less than half an hour to reach the archipelago from Turku centre and, the best of all, you don't need a boat to get there because excellent bridges, spacious ferries and connecting vessels join the islands together. There are also several harbours which welcome guests with a host of facilities for sailors.

Turku archipelago covers a large area, and the scenery changes along the trip from the green inner islands to the bare beauty of the outer islands. The archipelago's colourful history and culture, coupled with lively events means there is a great deal on offer for visitors to see and do.

The end of the summer is not, by any means, a signal for the archipelago to close. There are also unforgettable moments to experience in the colourful autumn and the cold winter.

Wake up your inner explorer and go look for your favourite spot among more than 20.000 islands and countless islets! Once you've visited Turku's archipelago, you are sure to wish to return.

Tourist Area Green Triangle

"The Green Triangle", the dynamic and fertile region of Loimaa, is an emerging tourist attraction firmly rooted in tradition. The Green Triangle is an oasis of peace well-connected to the growing cities of the most urban parts of the country. At the nucleus of this triangle, Loimaa is found a charming small town on the banks of the Loimijoki River. The Green Triangle consists of ten municipalities in Southwest Finland: Alastaro, Aura, Koski, Loimaa, Marttila, Mellilä, Oripää, Pöytyä, Tarvasjoki, and Yläne. In addition, the municipality of Ypäjä in Southwest Häme and the municipality of Vam-

pula in Southeast Satakunta belong to the Green Triangle.

Loimaa - Town and country living

Loimaa is situated along the River Loimijoki. The river attracts canoeists and anglers.

One of the most popular attractions is the Statuary Park and studio home of sculptor Alpo Jaakola. A completely new attraction is the Finnish Museum of Agriculture, Sarka.

Countryside Finland opens to tourists

Brisk walks and riding, canoeing, fishing, kick-sledding, skiing. Outstanding food and tastings of berry wines. Art, history and traditional culture. Silence, peace and natural beauty - for people of all ages and nationalities.

You are welcome to Southwest Finland's countryside!

Salo Region - Yours to Enjoy Year Round!

Welcome to the Salo region -- to the archipelago, as well as inland, the countryside and the small towns, in summer and in winter. Here you will find plenty to choose from: the peacefulness of nature and the countryside, events and activities, as well as high-quality tourist services. A comfortable ride less than an hour from Turku, Salo can be reached from Helsinki in a little over an hour.

Located in Perniö, Meri-Teijo is a dream site for the active traveller. Here you can donwhill-ski, play golf, go horseback-riding or hiking, and even drive an MCC downhill car, or ride a mountain bike on the off-road bicycle track. You can jig, fish and even show your skill in fly-fishing on the lakes and the ocean. Meri-Teijo can be reached via a bicycle route running from Salo all the way to the Strömma canal.

Good Spirits in the Uusikaupunki Region

The Uusikaupunki region invites you to take an exploratory expedition into its many vibrant travel destinations -- whether it's your heart's desire to experience the island bays in the archipelago or the quietude of the countryside, here you will find them both.

Favourite of boaters is the Pakkahuone Harbour at Uusikaupunki, which has been selected Guest Harbour of the Year three times thus far. In this idyllic town of wooden houses, you will also have the chance to experience the wonders of the Bonk Museum, which has any kind of gadget and generator imaginable on display. If so inclined, you may test your fitness in the VahterusRing-sports-tube, the town's latest attraction.

You can start your seafaring expedition to the Isokari lighthouse or Katanpää island fortress from either Uusikaupunki or

Kustavi, which is en route of the Archipelago Trail as well.

Another town in the area, Laitila, is known not only for its chickens, but also for the archaeological findings housed at the Untamala Archaeological Centre. There are many charming places to get to know in the wide-open countryside, affording you the opportunity to luxuriate in its quietude and spaciousness.

Naantali - the Sunshine Town

Sunny Naantali is well known for its fascinating history as a convent town, for its charming wooden houses and maritime atmosphere.

It is wellknown family resort with Moomins, the adventure island and bathing beaches.

The journey from the centre of Naantali to the heart of the beautiful archipelago, whether by land or by sea, takes less than half an hour.

K. COMMENTS ON CONFERENCE FACILITIES

The ICT Building comprises IT and communication technology teaching and research in Turku. The higher education institutions of Turku have more than 20 000 square metres of space at their disposal in the building. In addition, the joint information technology teaching unit TUCS of Turku Business School, The University of Turku and Åbo Akademi University is located in the ICT Building, and besides the higher education units the building also houses the information technology and media programme of Kupittaa lukio. All in all, the building offers 34 000 square metres of space. At the moment, the facilities are used by 3 000 students and 700 researchers.

The six-storey building has common rooms and teaching facilities on the lower floors and the upper floors will be reserved





for research facilities. From the street entrance there will be access to a so-called 24H room in which computers and equipment can be used around the clock. Via SparkNet a wireless connection can be used throughout the building. The ICT Building also houses a common scientific library for all users.

The building was officially opened in the fall of 2006. Lemminkäisenkatu offers 14700 square metres of space. The building houses teaching facilities for 1600 students and the laboratories of Biotechnology and Food Technology teaching.

There are two auditoriums. Auditorium Joukahainen was completed in 1999. Joukahainen seats 150 people and is equipped with presentation technology (computer and data projector). Auditorium Lemminkäinen was completed in 2001.

Lemminkäinen seats 250 people and is equipped with presentation technology, conference technology and equipment for simultaneous interpretation.

There is also a student restaurant in the facilities.

Additionally there are a dozen smaller seminar rooms and conference rooms equipped with presentation technology for different needs.

The Holiday Club Turku spa hotel has excellent conference facilities which allow effective work in large congresses or small group meetings. Services available:

- * Conference hosts
- * Standard equipment include TV/VCR, overhead projector
- * High-standard sound and AV systems, data projector, video camera available on request
- * A portable computer and printer available, wireless internet connection available on request.

The main hall (The 994 –hall) caters up to 2000 persons. In addition to this there are several meeting rooms and an auditorium

L. PROPOSED SOCIAL/CULTURAL PROGRAMS AND TECHNICAL VISITS

The social events are a very important part of any conference programme. Looking for space, fresh air, stimulating cultural events and exciting activities? You have arrived at exactly the right place. Finland's pristine natural environment provides the setting for a dazzling and inspiring variety of adventures and new experiences.

Turku is a colourful city with many opportunities to enrich both your personal and professional life. The city offers a pleasant environment for those who wish to personally experience the Nordic lifestyle. Walking along the river Aura, which flows through the city, you can feel the presence of nature at all times.

Civic Reception and Gala Dinner

Turku Castle might be the venue for the welcome reception hosted by the Mayor of Turku followed by a Gala Dinner in the King's Hall at the Castle. Built in the 13th Century the Turku castle provides an outstanding atmosphere for a formal event.

City Tour of Turku

The 3.5-hour tour introduces the visitor to three of the city's most noteworthy sights, the Turku Cathedral, the Luostarinmäki Handicrafts Museum, and the Turku Castle.

Aalto and Bryggman - Architecture Tour

This guided tour will introduce you to three transitional works of Aalto's functionalism: the Peasants' House (Maalaistentalo),



the Turun Sanomat-building, and a standard apartment building. From Erik Bryggman's works, Hotel Hospits Atrium, the Student Union, and the Resurrection Chapel will be introduced. In addition, other sites of architectural interest are included in the tour, such as Varvintori, the Sigyn-hall at the Turku Conservatory, and the Port Arthur neighbourhood of wooden houses.

The Incredible Woman of Turku

The sightseeing tour presents women of Turku and the women's Turku through centuries. The route includes the phases of the businesswomen of Turku beginning with the powerful bourgeois Vappu Innamaa from the 16th century to the mining counsellor Irja Ketonen.

During the tour, restaurant owners of great significance are presented like Wallina Valtin of Börs, women of visual arts and dramatic art, the first female governors of this country, "the girls from Portsa", "the Pumpula weavers", the hardworking mothers at Luostarimäki, not to forget "Cat-Alli" and the streetwalkers of Harmaalinna. The female saints of the Cathedral, the women of noble birth who are buried in the church, and the three Katarinas at Turku Castle are also given attention.

A Trip to Ruissalo

Ruissalo is a green oasis near the centre of Turku. During the trip we'll focus on Ruissalo of today, its nature and history. The multivideo presentation of Tammenterho Visitor Centre shows the four seasons of Ruissalo. In addition, we'll visit the Turku University Botanical Garden.

A Trip to Seili

Tour groups will make the trip to the island of Seili via their own bus / connecting vessel. The bus will follow the following route: Turku - Parainen - Nauvo - and from Nauvo the trip will

continue via a connecting vessel to Seili. The return trip will occur along the same route.

The fascinating island of Seili, which in the past is known for housing a hospital for lepers and the mentally ill, is today home to a research station. During the trip we'll also pay a visit to the idyllic wooden church. There is a coffee break on the return leg of the journey.



A Trip to the Lighthouse of Bengtskär

Built in 1906, the lighthouse of Bengtskär is the highest lighthouse in Scandinavia (52 metres). The lighthouse houses varying exhibitions, a café and accommodation as well as the first lighthouse museum in Finland in the lighthouse. If inclement weather makes landing at Bengtskär impossible, one can take a look at the sights of the villages in the archipelago. There is also the possibility to visit the exhibitions in the Sinisimpukka Nature Centre.

The trip takes five hours. Departure from Dragsfjärd according to a flexible timetable. Trip duration on the Lighthouse island is about 2,5 hours. Transportation is arranged with charter boats.



Field Trip for Beer Lovers

The Field Trip for Beer Lovers will acquaint you with the most famous pubs in town. The tour begins with a visit to Brewery Restaurant Koulu (School), operating in a former all-girls school built at the end of the 19th century. After “elementary studies” at the School, the tour continues with a visit to Old Bank -- also known as simply the Bank, a pub situated in what used to be the offices of a bank converted into a comfortable restaurant great for socialising.

After visiting the Bank, tour participants will cross the river on foot and enter the New Apothecary, a personable pub where the milieu of an old apothecary mixes well with the excellent drinks served there. The “final exam” is taken at Puutorin Vessa, the only public toilet in the world converted into a functionalism-style restaurant.



Garden Excursion of Turku and Naantali

On the verdant Ruissalo Island you’ll have an opportunity to get acquainted with the University of Turku Botanical Garden greenhouses and diverse outdoor garden areas. The Peltola allotment is a green oasis in the city, lovingly tended to by its residents. At Peltola, we will enjoy a cup of coffee, followed by a bus tour of the beautiful Katariina and Uittamo neighbourhoods. Shopping can be done at the Kauppila Garden Centre.

Prior to visiting the third site on this tour, the garden of Kultaranta, the summer residence of the President of Finland, we will enjoy a tasty lunch.

Historical Churches in the Uusikaupunki Region

The excursion begins with a visit to St. Olaf’s Church in Kalanti. Six-hundred-years old, the church is built of grey granite. Along the way, we will pass by the Mäntäinen metal-working factory. From there, we will continue on to Pyhämaa, where we’ll visit the Pyhämaa Sacrificial Church. We will also visit the Old Church of Uusikaupunki, and the Taivassalo Church of the Holy Cross.

We’ll have lunch in Uusikaupunki, and afternoon coffee at the Rococo-style Nuhjala Manor in Vehmaa.

Kylämäki Pentathlon

This playful pentathlon affords adult participants the opportunity to test their physical condition. Pure skill and smarts will get you far, as contestants straighten sheets by pulling on them, and compete in a beanbag relay. Do you still know how to write with a real fountain pen? All in all, everyone is sure to have a great time together while enjoying this freewheeling competition.

Military Expedition to Turku

What devastation did the Danish pirate amiral Otto Ruud leave in his wake while rampaging through Turku in the 1600’s?

What role did the Cathedral play in the military operations? This and many other questions will be answered during the Military Expedition to Turku-tour. You will also have an opportunity to visit Veterans' Grove in the Turku Cemetery. In accordance with the tour's theme, coffee will be enjoyed at the Officers' Club.

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Turku is the ecumenical centre of Finland's spiritual life, as well as that of the various churches. This guided tour will acquaint you with the history and the present of Turku's churches.

Among the sites to be visited are the Turku Cathedral, the Holy Spirit Chapel, the Jewish Synagogue, the Orthodox St. Alexandra's Church, the convent of the Bridgettine Sisters, and the

Saint Birgitta and Blessed Hemming Catholic Church. The tour will introduce participants to the general and architectural history of the churches, as well as their teachings.

Tour price includes lunch at the convent.

The Touch of the Artists - A Trip to the Region of Loimaa

The day will begin with a coffee at the Ryötti estate. From there we move to the village of Mälläinen, where the artist Tuula Launonen will lead us to the world of clay and oil. For an additional fee you may participate in a straw workshop. The journey will continue to Taitomanni, a treasury of the artmaker with shopping possibilities.

We will enjoy a tasty lunch seasoned with music at the inn of Katinhäntä. Finally we will visit the art gallery Ateljee Hulm, a house from the Bronze Age and the show rooms of jewellery.

Walking Tour of the Old Great Square

On this walking tour, an experienced tour guide will acquaint

you with the past and the present of the Old Great Square.

TECHNICAL VISITS

Technical excursions are planned to be offered for those who are interested. Depending on the situation in the corresponding companies it may be possible to visit f.ex:

Aker Yards ASA/Turku



Aker Yards ASA is an international shipbuilding group focusing on sophisticated vessels and being one of the world's largest shipbuilders. The yard in Turku, with a land area of 144 hectares, is one of the biggest and most modern shipyards in Europe, building post-panama size cruise vessels, the newbuilding dock measuring 365x80 m.

Machine Technology Centre Turku Ltd

The centre for mechanical engineering is a joint education and development centre of the educational institutes and enterprises in Turku area.

In addition to these, technical visits will be organized to the local enterprises according to the areas of interest of the seminar delegates.

M. PROPOSED COSTS, BUDGET AND METHOD OF FUNDING

Including Voluntary Contribution for Support of iNEER/ICEE Secretariat, including Website maintenance (ICEE International Steering Committee Suggests Ballpark Amount of 25% Conference Income Excluding Grants and Donations). This is promulgated by a memorandum of understanding (MOU) between iNEER/ICEE and the new host for the conference

The proposed estimated conference budget is included below. Corporate sponsorship will be sought and will be used to offset costs of conference registration and professional tours.

Expenses		
5\$ per Coffee Break x 10	50 per participant	30 000\$
12\$ per conference lunch x 5	60 per participant	36 000\$
50\$ per conference dinner x 5	250 per participant	150 000\$
Transportation		6 000\$
Travel UU Delegates to give status report		9 000\$
CD-Rom Proceedings		7 000\$
AV Equipment		5 000\$
Conference Services (Professional and Student Assistance)		8 500\$
Conference Bag and Badge (10\$)		6 000\$
Publicity and Representation		
Materials Expenses		9 500\$
iNEER and ICEE/ISC support (including website)	for 600 participants	120 000\$
Total:		387 000\$

Income		
Support from Turku City, Government and other Regional Funding		25 000\$
Conference Registration Fee	900\$ for 600 Delegates	540 000\$
Total:		565 000\$

N. PROPOSED DATES AND SITES FOR INTERNATIONAL STEERING COMMITTEE MEETING FOR THE AUTUMN PRECEDING PROPOSED CONFERENCE

It is proposed that the International Steering Committee meets August 17th to 19th, 2011 or after the Annual Conference, depending on the preference of the steering committee members. The members of the SCM will visit the proposed Conference related institutions in Turku, as well as social and cultural tourist attractions in Southwest Finland.

O. COMMITMENT BY THE ORGANIZING COMMITTEE TO ADHERE TO THE ICEE GUIDELINES AS PROVIDED HEREIN, INCLUDING ANY REASONABLE FUTURE MODIFICATION THERETO.

The ICEE 2012 Turku, Finland Organizing Committee adheres fully to the ICEE Guidelines as provided with this document with all future reasonable modifications.

An appropriate document, reproduced below for completeness, is included to the printed version of this proposal as being distributed among the ICEE Steering Committee Members, properly signed by the Organizing Committee Chair, **Dr Janne Roslöf**, Finland.

P. PROPOSED CALL FOR PAPERS

Three Calls for Papers for the conference will be distributed, approximately 1½, 1 and ½ year before the conference. The proposed format and contents of the calls for papers will conform to the standards for past ICEE Conferences, an early specimen is included below:

International Conference on Engineering Education

ICEE-2012

Turku, Finland, 30th July – 3rd August, 2012

CALL FOR PAPERS

Papers are solicited broadly on the subject of engineering education on Contributing to Success through Innovations in Engineering Education. The fields of interest include but are not restricted to following categories:

- * Academic and administrative issues
- * Accreditation / assessment issues
- * Creating innovations through R&D work
- * Entrepreneurship in engineering education



- * Innovative curriculum design
- * Learning environments
- * Partnership for success
- * Producing global competence for engineers
- * Integrating research
- * Technology for teaching and learning
- * Others

The conference emphasizes development of international partnerships in education and research and serves as a forum for establishing new contracts and discussing new projects to work on in the future. For more information, one of the principal sponsors of the conferences, visit <http://www.ineer.org>.

Q. TRACK RECORD OF HOSTING CONFERENCES

DATE	CONFERENCE NAME	DELEGATES
29 Jul- 05 Aug 2005	30th International Herpesvirus Workshop	700
29 Sep- 01 Oct 2005	Union of Baltic Cities, 8th General Conference	300
01 Jun- 02 Jun 2006	ASTP Annual Conference	300
07 Jun- 09 Jun 2006	Nordic Public Transport Conference	500
15 Mar- 17 Mar 2007	35th NERA 2007, Nordic Perspectives of Lifelong Learning in the New Europe	800
04 May- 06 May 2007	Nordic Midwifery Congress	600
18 May- 20 May 2007	Nordic Chefs Association	500
02 Jun- 10 Jun 2007	International Conference of the Associated Country Women of the World	700
13 Jun- 15 Jun 2007	Annual World Conference of the International Council for Small Business	1000
14 Jun- 15 Jun 2007	NorAge 2007, Nordic Society for Research in Brain Ageing	300
26 Aug- 31 Aug 2007	EuropaCat VIII /European Federation of Catalysis Societies	1000
04 Sep- 08 Sep 2007	48th International Conference on the Bioscience of Lipids	300
13 Sep- 14 Sep 2007	Baltic Seastates Subregional Co-operation	400
26 Sep- 28 Sep 2007	Turku Scanbalt Biomaterials Days	600
04 Jun- 08 Jun 2008	JCI European Conference 2008	2500
28 Jul- 01 Aug 2008	32nd Annual IEEE International Computer Software and Applications Conference COMPSAC 2008/SAINT 2008	400
11 Jul – 14 Jul 2009	Tall Ships' Races	

ADDITIONAL INFORMATION:

Further information will be available at the ICEE-2012 website:

<http://www.turkuamk.fi/icee2012/>.

GENERAL CHAIR:

Dr Olli Mertanen

Vice President

Turku University of Applied Sciences

Joukahaisenkatu 3A

20520 Turku

Finland

Phone: +358 10 5535 684

Fax: +358 10 5535 791

E-mail: olli.mertanen@turkuamk.fi



TURUN AMMATTIKORKEAKOULU
TURKU UNIVERSITY OF APPLIED SCIENCES



TURUN AMMATTIKORKEAKOULU
ÅBO YRKESHÖGSKOLA

12.11.2007

Dr. Win Aung, Ph.D., Dr.h.c., P.E.
Secretary-General
International Network for Engineering Education and Research
(iNEER)
Arlington, VA, USA

Dear Dr Aung

Commitment to Host ICEE 2012 in Turku, Finland

On behalf of the Organizing Committee of the ICEE-2012 Conference to be held in Turku, Finland, organized by Turku University of Applied Sciences, I confirm that the ICEE-2012 Conference Organizing Committee commits fully to adhere to the ICEE Guidelines as provided herein, in iNEER/ICEE Proposal Guide, including any reasonable future modification thereto.

Yours sincerely

Dr Janne Roslöf
Chairman of the ICEE-2012 Turku Organizing Committee
Turku University of Applied Sciences
Joukahaisenkatu 5 A
20520 TURKU
Finland
EUROPE

Turku, 24th October, 2007

iNEER Secretariat
P.O. BOX 5229
Arlington
VA 22205
USA

Dear Secretariat,

Re: Bid to host the International Conference on Engineering Education in Turku 2012

In am writing on behalf of Turku City and giving our support to Turku University of Applied Sciences in hosting the International Conference on Engineering Education in 2012.

The City of Turku (the Swedish name Åbo), is located on the south-western corner of Finland and 160 kilometres west of Helsinki in an area which has the oldest cultural traditions in Finland. The city itself is a fascinating combination of past and present.

Celebrating its 775th anniversary in 2004, Turku is the oldest city in Finland, being the capital of Finland up to the year 1812. Due to its long and colourful past, there are many attractions of historical importance for visitors. The Cathedral and Turku Castle, both dating back to the 13th century, have played an important role in the history of the city.

Turku is the fifth largest city in Finland and together with its surroundings one of the most important regions of the country. South-Western Finland is the second largest national economic area measured by gross value of production.

Entrepreneurship is part of the Turku identity. Alongside old successful companies, more and more international businesses specialising in high technology and computing are being founded. The Turku region is home to 13 000 businesses. Turku is one of the most popular conference towns in Finland hosting numerous international conferences every year.

Turku is large enough to provide all the services that a major conference may require, yet small enough to make the delegates and their families feel at home during their stay.

The City of Turku warmly welcomes international conferences.

Yours sincerely,


Mikko Pukkinen



Turku, 30 October, 2007

iNEER Secretariat
P.O. Box 5229
Arlington,
VA 22205,
USA

Dear Secretariat

I have the pleasure to invite you to consider Turku University for Applied Sciences as the host for the International Conference on Engineering Education 2012.

Within the proposal document you can discover what Turku University for Applied Sciences and the City of Turku can offer to you.

The City of Turku is the oldest city and ancient capital of Finland, almost 800 years old. We have the most valuable historical environment in Finland, especially the cathedral of Turku and Turku castle. The first university, the Academy of Turku, was established already in 1640. Today Turku has four universities and boasts of one of the most modern science parks of Europe having special units for ICT, biotechnology, pharmaceuticals etc. Turku is one of the leading centres for conferences in the Nordic countries and has several quality hotels, including two very popular spa hotels. Among the local specialities we can also mention numerous restaurant boats in the river Aura. The shipyard of Turku, Aker Yards, is building the biggest luxury cruisers of the world for the Caribbean, even 360 meters long.

Visitors have the opportunity to get acquainted with the most historic region of Finland, Nokia top factories in Salo, Valmet Automotive, the Porsche factories in Uusikaupunki, the wonderful Archipelago of Turku with its thousands of islands, to mention just a few.

As regional director, I assure you of the attractiveness of Southwest Finland and Turku region as well as the ability of Turku and Turku University for Applied Sciences in hosting and arranging all events.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Juho Savo'.

Juho Savo
Executive Director



BUSINESS AND ADMINISTRATION
NATURAL RESOURCES AND THE ENV

LEADER

INTERNATIONAL BUSINESS
SOCIAL SCIENCES
NATURAL SCIENCES

TECHNOLOGY, COMMUNICATION AND TRANSPORT

HOSPITALITY MANAGEMENT
HEALTH CARE AND SOCIAL SERVICES

ARTS AND MEDIA



Finland offers a fresh alternative for congresses and conferences. The country's northern location, its lively towns and unpolluted environment, its versatile culture and friendly people make it ideal for international gatherings. Some 90% of conference delegates consider Finland to be a safe country for conferences.

According to the statistics of the Union of International Associations (UIA), Finland ranks 15th as a host country of international conferences. Some 300 international meetings with a total of 60 000 delegates are held in Finland every year. All the conference facilities and related technologies are of high standard.

CONFERENCE CITY TURKU

The City of Turku (the Swedish name Åbo), is located on the south-western corner of Finland and 160 kilometres west of Helsinki in an area which has the oldest cultural traditions in Finland. The city itself is a fascinating combination of past and present, and has its own special atmosphere created by the River Aura, the vicinity of the sea and the archipelago, and a harmonious blend of old and new.

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Turku is large enough to provide all the services that a major conference may require, yet small enough to make the delegates and their families feel at home during their stay. The City of Turku warmly welcomes international conferences.

ACCESS INTO TURKU

Flights are operated to Finland by about 20 international airlines from all parts of Europe and from many overseas destinations. There are several daily flights and a frequent express shuttle bus connection from the Helsinki Vantaa Airport. Turku Airport is located only eight kilometres from the centre of Turku.

There are also train departures from Helsinki to Turku every hour during the daytime. The trip takes less than two hours.

A special way to reach Turku is by boat from Stockholm. There are four daily connections both ways.

More information about the flights to Finland:

- * Finnair, tel. +358 (0)2 415 4909 / ticket sale
- * SAS / Blue 1, tel. +358 (0)2 415 4700 / ticket sale

PROPOSED VENUE

The ICT Building comprises IT and communication technology teaching and research in Turku. The higher education institutions of Turku have more than 20 000 square metres of space at their disposal in the building. In addition, the joint information technology teaching unit TUCS of Turku Business School, The University of Turku and Åbo Akademi University is located in the ICT Building, and besides the higher education units the building also houses the information technology and media programme of Kupittaa lukio. All in all, the building offers

FINLAND IN A NUTSHELL



34 000 square metres of space. At the moment, the facilities are used by 3 000 students and 700 researchers.

The six-storey building has common rooms and teaching facilities on the lower floors and the upper floors will be reserved for research facilities. From the street entrance there will be access to a so-called 24H room in which computers and equipment can be used around the clock. Via SparkNet a wireless connection can be used throughout the building. The ICT Building also houses a common scientific library for all users.

The building was officially opened in the fall of 2006.

Lemminkäisenkatu offers 14700 square metres of space.

The building houses teaching facilities for 1600 students and the laboratories of Biotechnology and Food Technology teaching.

There are two auditoriums.

Auditorium Joukahainen was completed in 1999. Joukahainen seats 150 people and is equipped with presentation technology (computer and data projector).

Auditorium Lemminkäinen was completed in 2001. Lemminkäinen seats 250 people and is equipped with presentation technology, conference technology and equipment for simultaneous interpretation.

There is also a student restaurant in the facilities.

Additionally there are a dozen smaller seminar rooms and conference rooms equipped with presentation technology for different needs.

The Holiday Club Turku spa hotel has excellent conference facilities which allow effective work in large congresses or small group meetings. Services available:

- * Conference hosts
- * Standard equipment include TV/VCR, overhead projector
- * High-standard sound and AV systems, data projector, video camera available on request
- * A portable computer and printer available, wireless internet connection available on request.

The main hall (The 994 -hall) caters up to 2000 persons. In addition to this there are several meeting rooms and an auditorium

ACCOMMODATION IN TURKU

Next to Turku Fair Centre and Turku Hall

Artukaisten Paviljonki

Finland's first civilian airport building has been converted into an attractive hotel. Artukaisten Paviljonki offers reasonably priced, quality accommodation and good service.

Experience a charm of an Old Customs Warehouse

Best Western Hotel Seaport

Best Western Hotel Seaport is situated right beside the ferry terminals, Turku Castle and the museum ships. The hotel has great bus and train connections and plenty of parking space.

Ideally located boutique hotel

Centro Hotel

Centro Hotel is a modern hotel right in downtown Turku - just a short walk from the Market Square, shops and museums. The hotel is tucked off the main streets and despite its central location, the atmosphere is tranquil.



In the Centre of Turku

Cumulus Turku

Cumulus Turku has 108 pleasant rooms right in the city centre, near all sights and shopping. At Cumulus you'll find a covered car park, spacious, bright breakfast room and great service. We have a well-equipped playroom for children, so that they will enjoy their stay, too.

Manorial accommodation and golf at Harjattula

Harjattula Manor

Harjattula Manor is located in a beautiful spot by the sea, combined heritage archipelago landscapes with golf, conference and travel. This handsome old manor house occupies a commanding site at the centre of an international-standard 18-hole golf course on the Island of Kaksikerta.

In the Centre of Turku

Holiday Inn Turku

Enjoy a comfortable stay at the Holiday Inn Turku, located near the busiest shopping streets, Market Square and the River Aura-joki. The hotel has 199 peaceful, quality rooms and a great swimming pool. Garage parking is available for a fee and there is free off-street parking in the courtyard.

Hotel and hostel in the peace of nature

Linnasmäki Congress Centre Hotel

Linnasmäki offers you warm welcome and cosy accomm just four kilometres from downtown Turku and a ten-minute drive from the airport. The Turku bypass road also provides a quick route to Naantali's Moominworld.

Everyday and festive comfort

Park Hotel

Discover the unique Park Hotel in central Turku. Located in a Jugendstil building that dates back to 1902, this hotel has 21 individually decorated rooms. Antiques, a nostalgic atmosphere and a personal touch are an important part of the hotel's appeal.

Completely renovated

Radisson SAS Marina Palace Hotel

The Radisson SAS Marina Palace Hotel is located in downtown Turku, along the River Aurajoki. The hotel is just 15-minute walk from the bus and railway stations, and Turku Airport is only 9 kilometres away. You can also use your own car, because there's plenty of parking space outdoors and in the heated garage.

Scandic Hotels - best locations

Scandic Plaza & Scandic Julia

Scandic Plaza has been restored in the spirit of Functionalism and it is situated right in downtown Turku. Guests at Scandic Julia can also enjoy the benefits of its central location.

All services under the same roof

Sokos Hotels: Hamburger Börs ♦ City Börs ♦ Seurahuone

Sokos Hotels are ideally situated in the heart of the city, next to the Market Square and all major attractions. Three different hotels to choose from, starting from the budget class up to a four star hotel.

Comfortable accommodation

Spa Hotels in Turku

Holiday Club Caribia Ruissalon Kylpylä

Room rates varying from 42€ to 170€/night, incl. breakfast and VAT.

Room rates at Spa Hotels varying from 143€ to 250€/night, incl. breakfast and VAT.

SOCIAL PROGRAMME SUGGESTIONS

The social events are a very important part of any conference programme. Looking for space, fresh air, stimulating cultural events and exciting activities? You have arrived at exactly the right place. Finland's pristine natural environment provides the setting for a dazzling and inspiring variety of adventures and new experiences.

Turku is a colourful city with many opportunities to enrich both your personal and professional life. The city offers a pleasant environment for those who wish to personally experience the Nordic lifestyle. Walking along the river Aura, which flows through the city, you can feel the presence of nature at all times.

CIVIC RECEPTION AND GALA DINNER

Turku Castle might be the venue for the welcome reception hosted by the Mayor of Turku followed by a Gala Dinner in the King's Hall at the Castle. Built in the 13th Century the Turku castle provides an outstanding atmosphere for a formal event.

City Tour of Turku

The 3.5-hour tour introduces the visitor to three of the city's most noteworthy sights, the Turku Cathedral, the Luostarinmäki Handicrafts Museum, and the Turku Castle.

Aalto and Bryggman - Architecture Tour

This guided tour will introduce you to three transitional works of Aalto's functionalism: the Peasants' House (Maalaistentalo), the Turun Sanomat-building, and a standard apartment building. From Erik Bryggman's works, Hotel Hospits Atrium, the Student Union, and the Resurrection Chapel will be introduced. In addition, other sites of architectural interest are included in the tour, such as Varvintori, the Sigyn-hall at the Turku Conservatory, and the Port Arthur neighbourhood of wooden houses.



The Incredible Woman of Turku

The sightseeing tour presents women of Turku and the women's Turku through centuries. The route includes the phases of the businesswomen of Turku beginning with the powerful bourgeois Vappu Innamaa from the 16th century to the mining counsellor Irja Ketonen.

During the tour, restaurant owners of great significance are presented like Wallina Valtin of Börs, women of visual arts and dramatic art, the first female governors of this country, "the girls from Portsa", "the Pumpula weavers", the hardworking mothers at Luostarinmäki, not to forget "Cat-Alli" and the streetwalkers of Harmaalinna. The female saints of the Cathedral, the women of noble birth who are buried in the church, and the three Katarinas at Turku Castle are also given attention.

A Trip to Ruissalo

Ruissalo is a green oasis near the centre of Turku. During the trip we'll focus on Ruissalo of today, its nature and history. The multivideo presentation of Tammenterho Visitor Centre shows the four seasons of Ruissalo. In addition, we'll visit the Turku University Botanical Garden.

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The Field Trip for Beer Lovers will acquaint you with the most famous pubs in town. The tour begins with a visit to Brewery Restaurant Koulu (School), operating in a former all-girls school built at the end of the 19th century. After "elementary studies" at the School, the tour continues with a visit to Old Bank -- also known as simply the Bank, a pub situated in what used to be the offices of a bank converted into a comfortable restaurant great for socialising.

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Prior to visiting the third site on this tour, the garden of Kultaranta, the summer residence of the President of Finland, we will enjoy a tasty lunch.

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We will enjoy a tasty lunch seasoned with music at the inn of Katinhäntä. Finally we will visit the art gallery Ateljee Hulm, a house from the Bronze Age and the show rooms of jewellery.

Walking Tour of the Old Great Square

On this walking tour, an experienced tour guide will acquaint you with the past and the present of the Old Great Square.

DISCOVER FINLAND

HELSINKI

Helsinki is the centre of Finland's administrative and economic life. One of the main sights of the city is the Senate Square. Its beautiful neoclassical government buildings, the Cathedral, the main building of the University of Helsinki, the University

Library and the Council of State are designed by architect C.L. Engel. Other interesting sights are the lively Market Place, the congress and concert palace Finlandia Hall designed by architect Alvar Aalto, the Tempeliaukio church, carved in solid rock, and the historical Suomenlinna fortress. Proximity to the sea, many well-kept parks, museums and art galleries make Helsinki a pleasant destination for visitors.

ÅLAND ISLANDS

Åland is an autonomous province of Finland, consisting of 6 500 islands in the Baltic Sea. If you love outdoor activities, fishing, boating, canoeing, cycling, this is the place for you. The islands are easy to reach from mainland Finland by ship, ferry or you can fly over. There are many historical places to see, old village churches, museums and castles.

LAPLAND

Lapland, the northern-most part of Finland, is an exotic destination. A visit to its forests and the vast mountain region, perhaps the last wilderness in Europe, is an unforgettable experience for every nature lover.

Once in Finland, many delegates may wish to explore also the neighbouring countries more extensively. There are excellent opportunities for pre-conference and post-conference tours. Visits to Stockholm, Tallinn and St. Petersburg are very popular.



