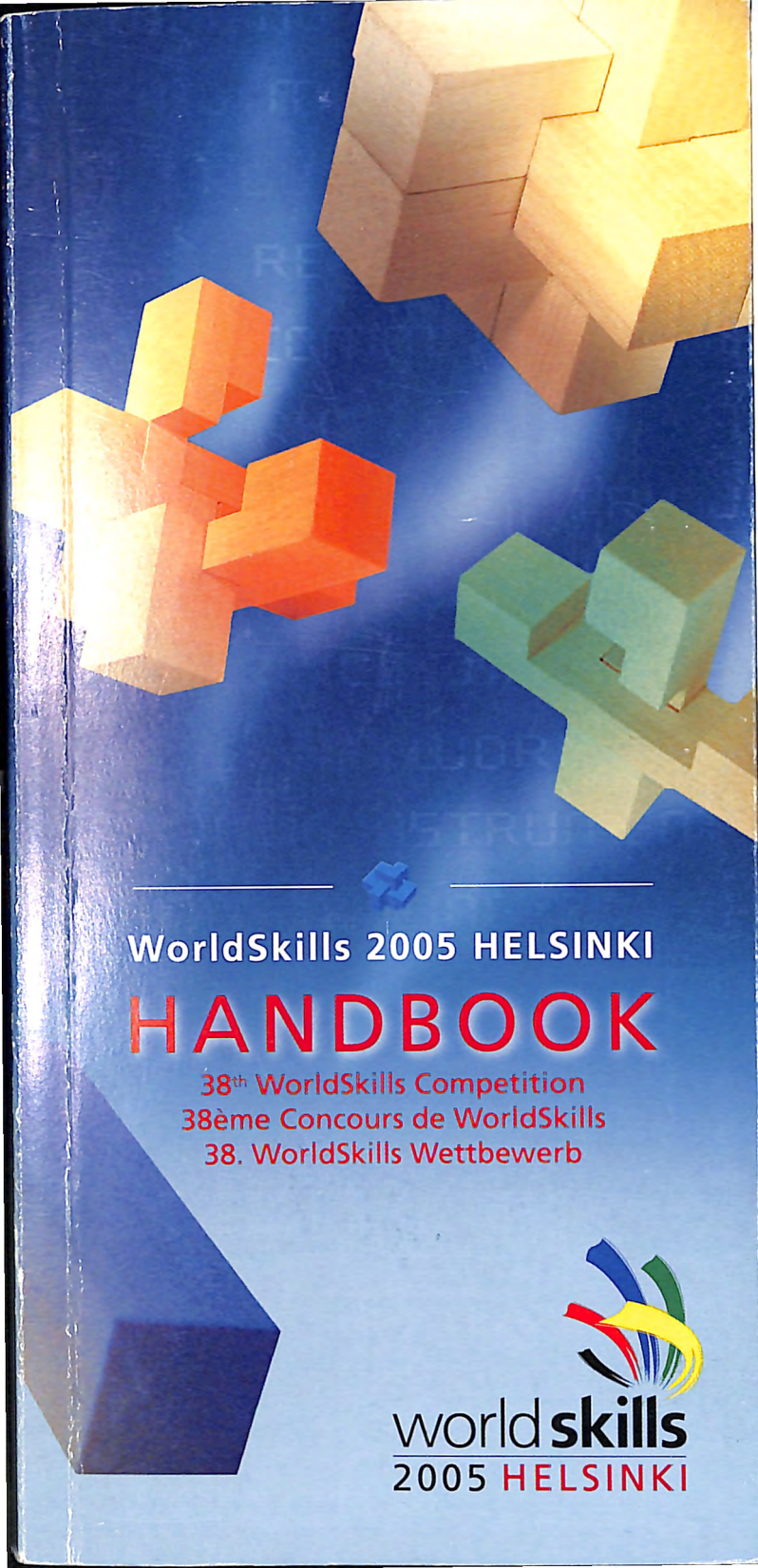

WorldSkills 2005 HELSINKI

HANDBOOK

38th WorldSkills Competition
38ème Concours de WorldSkills
38. WorldSkills Wettbewerb

worldskills
2005 HELSINKI

38th WorldSkills Competition
38ème Concours de WorldSkills
38. WorldSkills Wettbewerb

Helsinki Fair Centre

worldskills
2005 HELSINKI

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Competition skills Berufe Métiers

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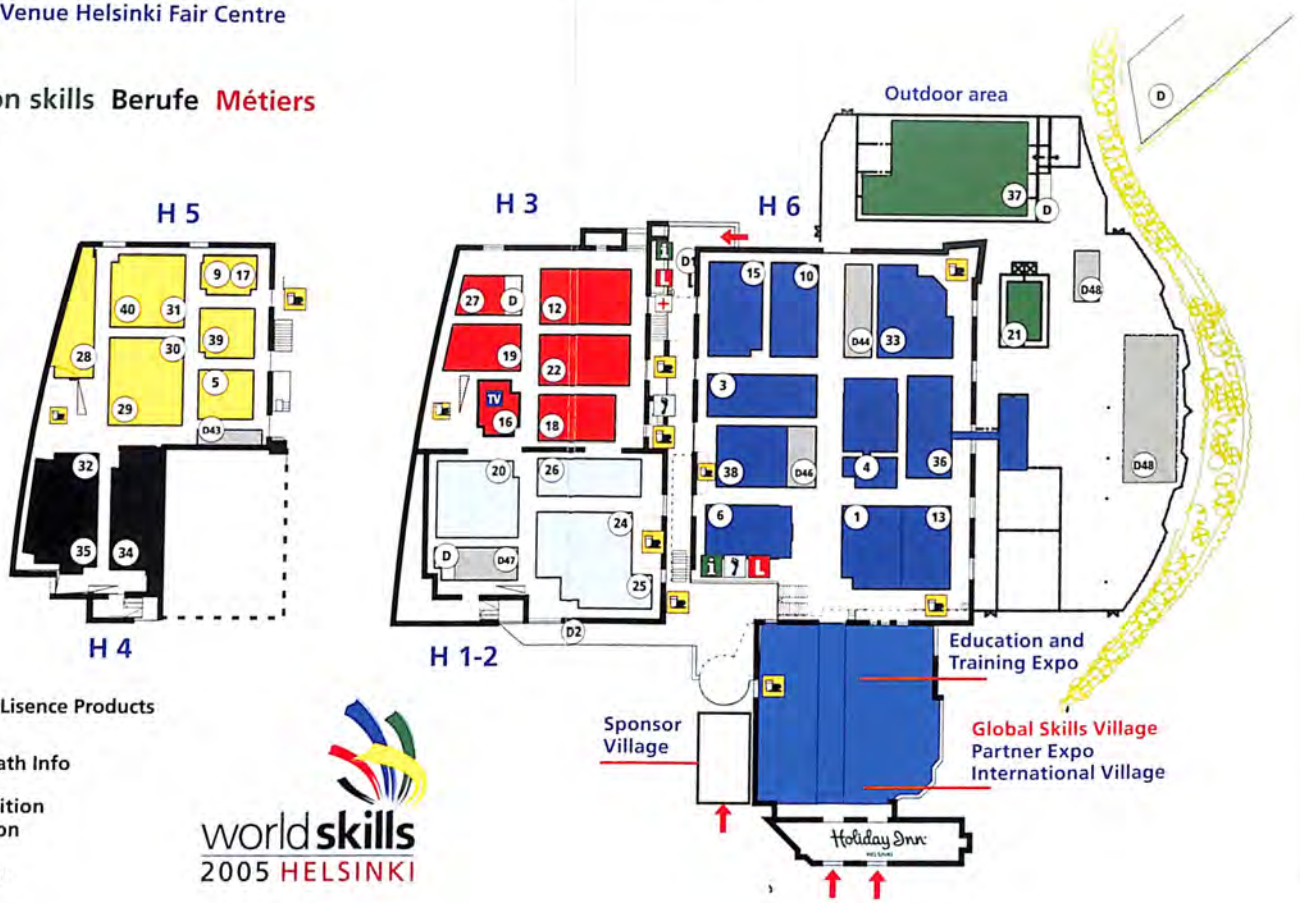

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20 Bricklaying Maurer Maçonnerie
24 Cabinetmaking Möbelschreiner Ebénisterie
25 Joinery Bauschreiner Menuiserie
26 Carpentry Zimmermann Charpente
D47 Tinsmith (Roofing) Spengler (Dacheindeckung) Ferblantier (toiture)
Skill demonstrations: Vorführdisziplinen: Présentations de métier:
Plastering Travail du plâtre Gipsarbeiten

Hall, Halle 3

12 Wall & Floor Tiling Fliesenleger Carrelage
16 Industrial Electronics Industrieelektroniker Electronique industrielle
18 Electrical Installations Elektroinstallateur Installation électrique
19 Industrial Control Anlagenelektrik Contrôle industriel
22 Painting & Decorating Maler Peinture et Décoration
27 Jewellery Goldschmied Bijouterie/joaillerie
Skill demonstrations: Vorführdisziplinen: Présentations de métier:
Practical Nurse Berufsbild Hauspfleger/-in Travail d'infirmièr(e)
Skill demonstrations: Vorführdisziplinen: Présentations de métier:
Decoration Berufsbild Dekorateur/-in Travail de décorateur/décoratrice

Hall, Halle 4

32 Confectioner/Pastry Cook Konditor Pâtissier/confiseur
34 Cooking Koch Cuisinier
35 Restaurant Service Restaurantbedienung Service de restauration

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5 Mech. Eng.CADD Maschinenbau CADD Mécanique industrielle CDAO
9 IT/Software Applications IT/Software Applikationen
Technologie d'information applications de logiciels
17 Web Design Web Design Web Design
28 Floristry Florist Fleuriste
29 Ladies' / Men's Hairdressing Damen-/Herrenfriseur Coiffure Dames/Hommes
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1 Polymechanics/Automation Polymechanik/Automatisierung
Polymécanique/Automation
3 Manufacturing Team Challenge (MTC) Manufacturing Team Challenge (MTC)
Manufacturing Team Challenge (MTC)
4 Mechatronics Mechatronik Mécatronique
6 CNC Machining CNC-Bearbeitung Usinage CNC
10 Welding Schweißer Soudage
13 Autobody Repair Karosseriespengler Tôlerie/carrosserie
15 Plumbing Sanitärinstallateur Plomberie
33 Automobile Technology Automechaniker Technologie automobile
36 Car Painting Autolackierer Peinture automobile
38 Refrigeration Kältetechnik Réfrigération
D44 Printing Drucktechnik Imprimerie
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21 Stonemasonry Steinmetz Taille de pierres
37 Landscape Gardening Landschaftsgärtner Jardinier/paysagiste
D48 Transport Technology Transporttechnologie Technologies du transport
Skill demonstrations: Vorführdisziplinen: Présentations de métier:
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Road Construction Straßenbau Construction routière

1. Greetings

Dear Participants in the 38th WorldSkills Competition in Helsinki 2005

I take great pleasure in welcoming all competitors, delegates, experts, team leaders, supporters and the audience to the 38th WorldSkills Competition in Helsinki, Finland.

The 38th WorldSkills Competition comprises competitions with a difference, testing and developing skills and competencies required in industry, commerce and services. These competitions are an excellent way of raising skill levels.

Planning and implementing the competition forms an extensive project within the development of Finland's vocational education and training. The first aim is to enhance the appreciation of vocational training, and the second is to improve the quality of training, particularly skill levels, and thirdly to enhance the status of skills needed in working life.

In Finland, 2005 has been declared the National Year of Vocational Training and Young Professionals, and its main event is the 38th WorldSkills Competition. While organising the competition and additional events, we have created innovative local, national and international skills networks, which represent the best possible way of promoting the appreciation of vocational training and spreading the WorldSkills mission.

WorldSkills 2005 Competition in Helsinki is first and foremost an event for young people, based on an energetic, easy-going and international atmosphere. Young professionals from all over the world will be under the spotlight during the competitions, and young people's skills are well represented in the organising the activities, while most of the event's 3,000 volunteers are students.

I want to express my warmest thanks to the WorldSkills Organisation for allowing Finland to host the WorldSkills Competition in 2005. We hope to prove worthy of your trust and it will be a pleasure to support the work of the subsequent hosts, Japan in 2007 and Canada in 2009.

I wish all the competitors the best of luck throughout the competition and a pleasant stay in Finland.

I would also like to thank everyone who have helped to make the event successful: Skills Finland, its employees and contractors, volunteers, sponsors, vocational training providers and the WorldSkills Organisation.

Welcome to our celebration of vocational skills at their best!

Welcome to Finland! – Tervetuloa Suomeen!

Tuula Haatainen
Minister of Education and Science
Chair of the WorldSkills 2005 Helsinki
Advisory Committee

WorldSkills flags over Helsinki

The WorldSkills flag bears the hands of our young skill champions as five free flowing banners reaching out across the world to share knowledge and skills. The WorldSkills flag now flies proudly over the Helsinki Fair Centre which will shortly reverberate with the sights and sounds of our 700 champions from 40 member countries striving for the best performance in the skills of their chosen vocation. Their youthful courage and commitment will inspire many thousands of young, and not so young, people who will come to see them and so come to truly appreciate the vital contribution of skills to our collective economic and social well being.

To all the participants I send my best wishes and to our Finnish hosts a heartfelt WorldSkills thanks.

Jack Dusseldorp
President
WorldSkills

Welcome to WorldSkills 2005 Helsinki

Thinking and acting have a common source: feeling. In a changing and developing working life we need skilled professionals whose hands, hearts and minds work together. Skills, willpower and emotions combine in professional know-how.

Challenges facing vocational education and training range from responding to growing skill requirements set by working life and individuals to the prevention of social exclusion. The continued growth of skills competitions attests to the fact that traditional trade and craft skills, along with the newer technology multi-skilled vocations and service-sector vocations, make an essential contribution to the economic and social well being of individuals everywhere.

Planning and implementing the competition forms an extensive key project within the development of Finland's vocational education and training, the aim of which is to enhance the appreciation of skills and vocational training, improve training quality and skill levels and enhance the status of skills. In Finland, 2005 has been declared the National Year of Vocational Training and Young Professionals, the main event of which is the 38th WorldSkills Competition.

The 38th WorldSkills Competition in Helsinki 2005 is based on competitions with a difference. They test and develop skills and competencies needed in industry, commerce and services and are an excellent way of raising skill levels. Each competition is designed to test technical skills as well as communication, teamwork, business skills and the ability to work in projects. Competitors must achieve a high standard within a specific timeframe. The competitions offer a unique way of promoting the common goals of working life, vocational education and training and education

providers. The prerequisites for success are the same – rewarding skills and competencies, desire and the will to learn something new continuously. Competitions also provide a unique means of exchange for a range of stakeholders, and a comparison of world-class competency standards in the industrial trades and service sectors of the global economy.

The objectives of WorldSkills 2005 Helsinki are very much in line with the goals of the European Union Copenhagen Process. In 2005, the competitions will return to an EU member state, providing an ideal opportunity to benefit from the event by contributing to European goals.

WorldSkills Competitions have always drawn strength from the host country's traditions and culture, the forthcoming one in Helsinki being no different. Enjoy blacksmith Ilmarinen's introduction to the atmosphere of the games (Ilmarinen is one of the heroes of Finland's national epic, the Kalevala).

Hosting the 38th WorldSkills Competition is a great privilege and honour of which Skills Finland can be extremely proud.

Timo Lankinen
President of Skills Finland
Host of WorldSkills 2005 Helsinki

At the dawn of time:

"Then the smith, e'en Ilmarinen,
He, the great primeval craftsman,
From the fire removed the iron;
Laid it down upon the anvil,
Welded it till it was wearied,
Shaped it into pointed weapons,
Into spears, and into axes,
Into tools of all descriptions."
Kalevala, The Origin of Iron
(translation W. F. Kirby)

"From his couch arose the artist,
From his couch of stone, the blacksmith
And began his work of forging,
Forging Sun and Moon for Northland"
Kalevala, Restoration of Sun and Moon
(translation W. F. Kirby)

"Thereupon smith Ilmarinen,
He the great primeval craftsman,
Welded it an hammered at it,
Heaped his rapid blows upon it,
Forged with cunning art the Sampo,
And on one side was a corn-mill,
On another side was a salt-mill,
And upon the third a coin-mill."
Kalevala, The Forging of the Sampo
(translation W. F. Kirby)

Helsinki is ready to welcome the participants and visitors of the 38th WorldSkills Competition

In 2005, the WorldSkills Competition will be held in a Nordic country, Finland, for the first time.

Hosting the event is a great challenge and opportunity for Finland. We wanted to turn the competition into a major event for vocational training, offering a qualified environment for fair competition, information on vocational skills and training as well as superb experiences and memories for all those involved. We have focused on ensuring the quality of the competitions and arranging additional non-competition events to support the competitions and their aims.

Cooperation was the main principle underlying our organisational effort. Skills Finland heads an organisation that contains close to 3,000 skilled participants from all over Finland. I am proud of the skills, enthusiasm and spirit of the people involved in organising the competition. I am also thankful for the increasing international cooperation that has supported our organisational effort. We are ready to continue this tradition of cooperation and will support the next organiser to the best of our ability.

We have also sought to offer Finnish youth the chance to participate in the organisational effort and demonstrate vocational skills that are not represented in the competition. You will catch a glimpse of these skills during the opening and closing ceremonies and during the official excursions. Students from upper secondary schools and vocational schools are responsible for various tasks in the Helsinki Fair Centre during the competition. I believe that the skills and enthusiasm of these student officials will create a skilled, joyous and energetic atmosphere for the event.

I want to express my warm thanks to all the Finnish organisations and people who participated in the organisational work to make WorldSkills Helsinki 2005 possible. I would also like to thank the WorldSkills Organisation (WSO), especially the Technical Committee and all WSO member countries for their close, constructive cooperation.

Naturally, young professionals from over 40 countries all over the world will be under the spotlight in the WorldSkills Competition. Fair play and the best of luck throughout the competition!

On behalf of Skills Finland, I warmly welcome everyone to Finland and WorldSkills 2005 Helsinki!

Mrs. Eija Alhojärvi
Executive Director of Skills Finland,
Secretary General of WorldSkills 2005 Helsinki

Every good wish

As Chairman and Vice Chairman of the Technical Committee we are glad to extend a traditional Irish " Céad Mile Fáilte" – one hundred thousand welcomes to all participants particularly the experts and competitors. We are proud of the preparations, made by Skills Finland and the members of the WorldSkills Technical Committee. We believe that the Helsinki competition will be most professional to date and will reflect the best of skills development in today's technological world. The Technical Committee has worked hard to ensure a competition, where all competitors will have an equally favourable opportunity to present their best work. We compliment the experts on their preparation and commitment to fair and transparent competitions. We thank our colleagues on the Technical Committee, listed later in the booklet as Jury Presidents, for their unstinting support and hard work to date.

Finally we thank Ms. Tuula Haatainen, Minister of Education and Science and her team for hosting the competitions in Helsinki. Let us all endeavour to make these Helsinki Competitions the best since the foundation of the organisation in 1950. We can do this by working collaboratively, by building on experience of past competitions and by working in new and different ways.

Liam Corcoran
Technical Delegate, Ireland
Chairman, Technical Committee

Veijo Hintsanen
Technical Delegate, Finland
Vice Chairman, Technical Committee

2 Welcome to Finland

Finland and Helsinki

History

The first crusade to Finland was led by the King of Sweden in 1155, starting a union with Sweden that was to last for 600 years. In 1809 Finland was incorporated into the Russian Empire as a Grand Duchy. Swedish laws were retained and the country was allowed to keep its own currency, mail and railway systems. Helsinki became the capital in 1812 (replacing Turku in the south-west). The official national languages were – and still are – Finnish and Swedish. Amid the turmoil of the Russian Revolution, Finland declared its independence in 1917, establishing its present constitution and status as a republic in 1919.

Recent studies suggest that the ethnic roots of the Finnish people lie to the south and south-east of Europe, from which their ancestors migrated following the last Ice Age some 9,000 years ago.

- Part of Sweden approx. 1200–1809
- Autonomous Grand Duchy in the Russian Empire 1809–1917
- Independent since 6th December, 1917
- Independence successfully defended in World War II. Finland fought Soviet Union 1939–1940 and 1941–1944, Germany 1944–1945
- Member of United Nations 1955, OECD 1969, European Union 1995

Currency

Finland is a participant in the European single currency, so its monetary unit is the euro (EUR), divided into 100 cents. Finland is one of 15 euro states, along with Austria, Belgium, Germany, Greece, France, Ireland, Italy, Luxembourg, Monaco, San Marino, Spain, The Netherlands, Vatican City and Portugal.

Endless Forests, Wondrous Waterways

Finland is sometimes referred to as the 'land of the thousand lakes', but in fact there were a total of 187,888 at the last count. A veritable maze of inland waterways, with a profusion of bays, headlands and islands, sometimes opening out into broader waters, extends across the country

but is especially dense across the eastern areas. The lakes are linked by rivers, straits and canals and offer opportunities for a variety of recreation. From June to August swimming and boating are popular, while a network of lakeland steamer routes, linking many of the larger towns, provides a leisurely option for touring the country. In winter, the frozen lakes are transformed into a giant playground for skiers and skaters.

Finland is perhaps best known for its peacefulness and beautiful nature. Vast forests, a unique archipelago and thousands of lakes present a striking mixture of wooded hills and waters. In addition to its mystical northern nature, Finland is also a modern Nordic country with a high standard of living and advanced economy and technology.

Government and Constitution

Finland has been an Independent Republic since December 6, 1917, before which it was a Grand Duchy of the Russian Empire.

The Finnish constitution follows the Western democracy model, with a President elected for 6-year terms (for a maximum of two terms), and a 200-member, single-chamber parliament elected every four years by direct elections and on the basis of proportional representation.

Finland in figures

Independent since	1917
Total area	338,000 km²
Population	5.2 million
EU member since	1995
Currency euro since	2002

* approx. 1.2 million in Greater Helsinki

Further information at www.visitfinland.com

This is Helsinki

Helsinki was founded in 1550 by King Gustaf Wasa of Sweden as a harbour town to compete for Baltic Sea transport with Tallinn. Throughout its 450-year history, Helsinki has existed in the crosscurrents of the East and West The town grew around the port. Surrounded by the sea and archipelago, Helsinki offers you an exciting city vacation or a relaxing retreat in beautiful natural surroundings. There is plenty to see and experience throughout the year. Helsinki offers a diverse cultural life, architectural gems and quality shopping opportunities. Daily guided tours, dozens of interesting museums and countless other sights guarantee that time will simply fly when you visit Helsinki!

City of contrasts

The four seasons are quite marked in Helsinki, each making its distinctive impact on the cityscape and the variety of events. In spring, we can enjoy the parks bursting into bloom, then come the warm days and bright nights of summer; after that, the glowing tints of autumn and finally, all winter's joys like snow, refreshing frosts and sledging, to name a few.

Life in Helsinki is defined by starkly contrasting seasonal changes. In the summer, the warmth and permanent daylight invigorate the city. The locals worship the sun and welcome the heat with open arms. 'In the winter, the cosy and mysterious darkness offers its own blanket of warmth, even in the crisp and snowy outdoors. In town, Helsinki's culture explodes into life with a vast range of events, concerts and exhibitions

Helsinki's many faces

The architecture of our city is rather a captivating collage of the Russian Empire period neo-classicism and modern architecture. The beautiful archipelago and verdant recreation areas are an integral part of Helsinki, as are the city's diversified cultural offerings, busy night life and friendly people. Today's Helsinki is also a city of the future. Its modern architecture, cutting-edge design and high-technology have attracted international recognition for the city. Unique lifestyles and urban subcultures are all a part of this international metropolis. Helsinki is known as the 'white city' because of the light colours used in most of its buildings. It is also characteristic that old, historical buildings stand side by side with the most modern creations.

Although only a relatively small city, Helsinki is famous for the quality and quantity of its music. We are very proud of The Helsinki Philharmonic Orchestra and the Finnish National Opera. Concert tickets are easy to get, and they are not very expensive. Each year Helsinki is also the scene of some major music festivals, such as the Helsinki Festival in late summer and Musica nova in early spring. Younger crowd can enjoy Koneisto (Machinery in English) , a massive international festival of electronic music and heavy metal music festival, Tuska (Pain in English). Both festivals are organised every summer.

Helsinki is a modern European cultural city whose urban cosmopolitan lifestyle exists in perfect harmony with nature. Surrounded by the sea and its own exotic archipelago, Helsinki offers visitors an endless number of possibilities. Just as Helsinki cannot be described in one word, neither can it be experienced in just one way. Helsinki really does have something for everyone.

City of international events

Year 2005 Helsinki will host, besides WorldSkills 2005 Competition, the 10th IAAF World Championships in Athletics, the biggest and most important sporting event in the world in 2005. The World Championships will run from 6-14 August and be televised to an estimated 180 countries and over four billion viewers around the world. The main arena is Helsinki's historic Olympic Stadium, which was built to host the 1952 Olympic Games.

Helsinki in figures

Helsinki founded in	1550
Capital of Finland since	1812
Population* approx.	560,000
Finnish-speakers	88%
Swedish-speakers	6%
Other languages	6%
Evangelical Lutherans	72%
Greek Orthodox	2%
Total area	686 km²
Coastline	98 km
Islands	315
Hotels	45
Restaurants	840
Museums	83
Universities and colleges	7
Mobile phones per 100 inhabitants	91
Average temperatures	
- yearly	+ 5.9°C
- warmest month, July	+ 20.2°C
- coldest month, February	– 6.8°C

3 WorldSkills Competition

3.1. History of WorldSkills Competitions

In 1946 there was a dearth of skilled workers in Spain. Mr José Antonio Elola Olaso, General Director of OJE (Spanish Youth Organisation), had an insight: to convince youngsters, as well as their parents, teachers and prospective employers, that their future depended on an effective vocational training system.

The simple, yet brilliant, idea of watching people from different trades at work proved a great success. So, in 1947, with the participation of around 4,000 apprentices from a dozen mechanical trades, the first National Competition took place in Spain.

But the initiators wanted much more than that. As a matter of fact, they had far-reaching objectives: to motivate youngsters to compete, to make them enthusiastic about vocational training and to compare the skills and abilities of people from different countries.

Due to linguistic, historical and cultural links, contacts were made with Latin American countries to set up a joint International Competition. At first, these contacts did not succeed, but Portugal showed interest in the project. So, in 1950, under Messrs Almagro and Ramos' direction and Dr Palencia's technical guidance, Mr Vidal started to spread Mr Olaso's original idea abroad with huge enthusiasm, promoting the first Iberian Competition, with the participation of 12 young skilled workers from Portugal and Spain. The International Vocational Training Competitions were ready to begin.

A large number of observers from various countries were invited to the Iberian Competition and were completely taken with the idea. As a result, in 1953 at Spain's invitation youngsters from Germany, Great Britain, France, Morocco and Switzerland took part for the first time.

In June 1954, the first Organising Council – composed of official and technical representatives of the participating countries - was established to set the rules for international competitions.

With the participation of young German and Swiss workers, the Spanish Organisation became acquainted with the dual system, a traditional vocational training model utilised with great success in both countries.

During the 1958 World Exhibition, the 7th IVTC was held in Brussels; a year later it went to Modena, Italy and, in 1970, the Organisation made the far more distant journey to Japan. With the admission of member-countries from all continents, IVTO organisation gained experience,

increased its knowledge of vocational training and applied new working techniques and methods in several trades.

As the country that held IVTC for the first time, Spain is considered the founder of the International Organisation. So far eleven Competitions have been held in Spain. From the beginning, Francisco Albert-Vidal headed the General Secretariat and up to 1976 Spain bore responsibility for all expenses, thereby offering various countries the chance to take part.

The idea of celebrating Vocational Training Competitions can rightly be compared to Pierre de Coubertin's initiative to create the modern Olympic Games. Its motto "great ideas come from the heart" can be applied to the founders of our International Organisation.

3.2. Objectives of of WorldSkills 2005 Helsinki

Organising WorldSkills 2005 in Helsinki is a great challenge and opportunity for Finland. Preparing for and organising the WorldSkills Competition constitutes a long-term project in the development of vocational educa-tion and training. The project aims to develop learning evaluation methods, skills demonstrations, on-the-job training and teaching methods as well as promoting national and international skills networks. The competitions are organised in cooperation with the WorldSkills Organisation and our aim is to provide a high-quality competition while testing some new ideas. To ensure high quality, Skills Finland has trained close to 3,000 voluntary and hired employees. This training has been funded by the European Social Fund and, thanks to the Fund, we are able to serve all participants even better. There are guided study paths that introduce the competition skills and vocations to student visitors. The Global Skills Village and its various events are aimed at vocational skills and training professionals. In addition, WorldSkills members will gather to benchmark best practices during the event.

We have sought to make the competitions more spectator-friendly. Related skill categories are grouped together and individual competitors are positioned so that spectators can follow their work during the competition. The competition tasks are introduced on plasma screens. It has been the responsibility of the skill organisers to find suitable and usable solutions for each skill category. The demo kitchen next to the Cooking skill and the demo stand next to the CNC Machining skill provide examples of such skill-specific solutions.

The organisational effort has focused on improving occupational health and safety and the sustainable development of the event. Particular attention has been paid to environmental issues, visitors being encouraged to use public transport, and those with official travel packages receiving tickets for public transport services for the duration of the event.

WorldSkills 1950–2009

1st	1950:	Madrid, Spain
2nd	1951:	Madrid, Spain
3rd	1953:	Madrid, Spain
4th	1955:	Madrid, Spain
5th	1956:	Madrid, Spain
6th	1957:	Madrid, Spain
7th	1958:	Brussels, Belgium
8th	1959:	Modena, Italy
9th	1960:	Barcelona, Spain
10th	1961:	Duisburg, Germany
11th	1962:	Gijón, Spain
12th	1963:	Dublin, Ireland
13th	1964:	Lisbon, Portugal
14th	1965:	Glasgow, United Kingdom
15th	1966:	Utrecht, Netherlands
16th	1967:	Madrid, Spain
17th	1968:	Bern, Switzerland
18th	1969:	Brussels, Belgium
19th	1970:	Tokyo, Japan
20th	1971:	Gijón, Spain
21st	1973:	Munich, Germany
22nd	1975:	Madrid, Spain
23rd	1977:	Utrecht, Netherlands
24th	1978:	Busan, Korea
25th	1979:	Cork, Ireland
26th	1981:	Atlanta, USA
27th	1983:	Linz, Austria
28th	1985:	Osaka, Japan
29th	1988:	Sydney, Australia
30th	1989:	Birmingham, United Kingdom
31st	1991:	Amsterdam, Netherlands
32nd	1993:	Taipei, Republic of China
33rd	1995:	Lyon, France
34th	1997:	St. Gallen, Switzerland
35th	1999:	Montreal, Canada
36th	2001:	Seoul, Korea
37th	2003:	St Gallen, Switzerland
38th	2005:	Helsinki, Finland
39th	2007:	Shizuoka, Japan
40th	2009:	Calgary, Canada

3.3 Occupational Health and Safety and Ecological Efficiency at WorldSkills 2005 Helsinki

As the arranger of the WorldSkills 2005 Competition, Skills Finland wishes to pay due care and attention to occupational health and safety and environmental issues. We also aim to showcase the best of Finnish expertise in the promotion of occupational health and safety and in our awareness of, and approach to, environmental issues. Both themes will be dealt with in the Global Skills Village arranged in conjunction with the competition.

Occupational Health and Safety Excellence

The aim of vocational skills competitions, to add to the attractions of a vocational education, can be promoted by ensuring occupational health and safety in an exemplary manner during competitions. Vocational skills competitions can have an influence – e.g., on the attention paid to occupa

tional health and safety issues in a competition site's design and the safe implementation thereof. Exemplary management of occupational health and safety communicates an important message on vocational skills: top skills and craftsmanship mean not only that work be performed quickly and carefully but that it be done safely, without putting one's own or other people's safety or health at risk.

The aim of the project, Occupational Health and Safety Excellence (2004-2005), is to promote occupational safety skills as part of the development of top-notch vocational skills and occupational skills competitions. The project focuses on developing young people's vocational health and safety skills and occupational safety arrangements in skills competitions, as well as training competition specialists in matters related to occupational health and safety. With respect to WorldSkills Competitions, occupational safety co-operation has been implemented alongside industrial safety districts and other partners.

The project is realised in co-operation with the Finnish Institute of Occupational Health and funded by the Finnish Work Environment Fund and the Veto programme of the Ministry of Social Affairs and Health.

Työsuojelurahasto
Arbetarskyddsfonden
The Finnish Work Environment Fund

veto

ECOmass Project

To promote sustainable development in the vocational competitions, Skills Finland is participating in the ECOmass programme of the IAAF World Championships in Athletics held in Helsinki in August 2005.

The ECOmass programme is a development project coordinated by TKK Dipoli and funded by the European Commission, in which the manual for ECO-efficient mass events will be developed and tested. The manual will be created on the basis of the implementation of, and practical work performed for, the IAAF World Championships in Athletics held in Helsinki in 2005. As the arranger of the WorldSkills event, Skills Finland participated in the compilation of the manual – e.g., in the development of the CO2 meter by bringing the standpoint of another, different mass event into the development work. The aim is to apply the manual in the future at IAAF competitions, as well as on a general basis in other sports competitions and major events, and hopefully in future WorldSkills competitions. The project is being implemented by the Helsinki University of Technology's Lifelong Learning Institute, Dipoli, in co-operation with the Helsinki2005 Organization and a network of partners.

ECOmass

4 Participating countries and participants

In all, 678 competitors (102 female and 576 male) and 635 experts (68 female and 567 male) from 38 countries have registered for the competition. In addition, there are 1 087 official guests including Official and Technical Delegates, Team Leaders, Official Observers and Observers.

AE	United Arab Emirates	Vereinigten Arabischen Emirate	Émirats Arabes Unis
AT	Austria	Österreich	Autriche
AU	Australia	Australien	Australie
BE	Belgium	Belgien	Belgique
BR	Brazil	Braziliën	Brésil
CA	Canada	Kanada	Canadie
CH	Switzerland	Schweiz	Suisse
DE	Germany	Deutschland	Allemagne
DK	Denmark	Dänemark	Danemark
FI	Finland	Finnland	Finlande
FR	France	Frankreich	France
HK	Hong Kong	Hongkong	Hong Kong
ID	Indonesia	Indonesien	Indonésie
IE	Ireland	Irland	Irlande
IR	Iran	Iran	Iran
IT	South Tyrol, Italy	Süd Tirol, Italiën	Sud Tyrol
JM	Jamaica	Jamaika	Jamaïque
JP	Japan	Japan	Japon
KR	Korea	Korea	Corée
LI	Principality of Liechtenstein	Fürstentum Liechtenstein	Principauté de Liechtenstein
LU	Luxembourg	Luxemburg	Luxembourg
MA	Morocco	Marokko	Maroc
MO	Macau	Macau	Macau
MX	Mexico	Mexiko	Mexique
MY	Malaysia	Malaïsien	Malaisie
NL	Netherlands	die Niederlande	les Pays-Bas
NO	Norway	Norwegen	Norvège
NZ	New Zealand	Neu Seeland	Nouvelle-Zélande
PT	Portugal	Philippinen	Philippines
SA	Saudi Arabia	Saudi-Arabien	Arabie Saoudite
SE	Sweden	Schweden	Suède
SG	Singapore	Singapore	Singapour
TH	Thailand	Tailand	Tailande
TN	Tunisia	Tunesien	Tunisie
TW	Chinese Taipei	Chinesisch Taipeh	Taïpeh Chinois
UK	United Kingdom	England	Angleterre
US	United States of America	Vereinigten Staaten	Etats Unis
ZA	South Africa	Südafrika	Afrique du Sud

Participating countries and participants

	AE	AT	AU	BE	BR	CA	CH	DE	DK	FI	FR	HK	ID	IE	IR	IT	JM	JP	KR	LI	LU	MA	MO	MX	MY	NL	NO	NZ	PT	SA	SE	SG	TH	TN	TW	UK	US	ZA	
1 Polymechanics/Automation		1			1	1	1	1		1				1				1	1	1						1		1	1						1				14
3 Manufacturing Team Challenge			3		3					3	3							3	3							3									3				24
4 Mechatronics		2	2	2	2	2	2	2		2	2	2	2			2		2	2			2		2	2	2	2	2			2	2	2		2	2	2		52
5 Mech. Eng. CADD	1	1		1	1	1	1	1		1	1			1	1			1	1						1	1			1			1	1	1	1				20
6 CNC Machining		1		1	1	1	1			1	1	1		1	1			1	1				1			1					1	1			1				17
9 IT/Software Applications			1		1	1	1	1		1	1	1			1		1		1			1	1				1	1	1		1	1			1				19
10 Welding	1	1	1	1	1	1	1			1	1	1		1	1			1	1						1	1	1	1	1		1		1		1	1	1	1	25
12 Wall & Floor Tiling		1	1	1	1		1	1		1	1	1				1		1	1	1					1	1					1		1		1				18
13 Autobody Repair			1			1	1	1		1	1							1	1							1	1	1			1				1	1	1		15
15 Plumbing		1	1			1	1	1	1	1	1		1	1	1	1		1	1	1						1	1				1				1	1			20
16 Industrial Electronics					1	1	1	1		1				1	1			1	1				1						1			1		1	1				14
17 Web Design			1		1	1	1	1		1	1				1		1		1				1		1	1			1	1		1			1				17
18 Electrical Installations	1	1	1		1	1	1	1		1	1			1	1	1		1	1	1			1			1	1	1	1		1		1	1	1				24
19 Industrial Control		1	1	1	1	1	1	1		1	1			1	1			1	1	1						1					1	1		1	1				19
20 Bricklaying		1	1	1	1	1	1	1	1	1	1		1	1	1	1		1	1						1	1			1		1				1	1			22
21 Stonemasonry		1		1			1	1		1	1					1		1	1							1			1							1			12
22 Painting & Decorating		1	1	1			1	1		1	1	1		1		1		1	1		1					1					1				1				16
24 Cabinetmaking		1	1		1	1	1	1	1	1	1			1	1	1		1	1	1							1	1	1		1				1	1			21
25 Joinery		1		1			1	1	1	1	1		1	1				1	1								1	1	1						1	1			16
26 Carpentry							1	1	1	1	1			1		1		1	1		1			1		1													12
27 Jewellery							1			1	1	1			1	1		1	1								1		1		1		1		1				13
28 Floristry		1				1	1			1	1							1	1		1		1			1	1		1		1		1						14
29 Ladies' & Men's Hairdressing		1	1			1	1		1	1	1	1				1	1	1	1				1				1		1		1		1		1	1	1	1	21
30 Beauty Therapy		1	1			1	1			1	1	1		1		1																			1	1			11
31 Ladies' Dressmaking						1	1			1	1				1			1	1				1				1						1		1				11
32 Confectioner/Pastry Cook		1		1	1	1	1	1	1	1	1					1		1	1							1	1								1	1			16
33 Automobile Technology	1	1	1			1	1	1		1	1			1		1		1	1		1			1	1		1	1			1	1	1		1	1			22
34 Cooking		1	1			1	1	1		1	1	1		1		1	1	1	1		1					1	1	1	1		1		1		1	1			22
35 Restaurant Service		1	1			1	1			1	1			1		1		1	1							1	1		1		1		1		1	1			17
36 Car Painting							1		1	1	1	1						1	1							1	1	1			1				1	1	1		14
37 Landscape Gardening		2	2			2	2	2		2	2							2	2							2										2			22
38 Refrigeration			1	1	1	1		1		1	1			1					1			1				1			1		1		1	1	1	1	1	1	19
39 IT PC / Network Support		1		1	1	1	1	1		1	1	1			1			1	1						1	1		1	1	1		1			1	1			20
40 Graphic Design Technology		1	1	1	1	1				1	1	1		1	1			1	1						1	1	1			1		1			1				18
D43 Telecommunication Distribution Technology										1								1	1							1	1				1								6
D44 Printing				1			1	1		1																1	1				1								7
D46 Sheet-Construction Steelwork							1	1		1	1			1				1	1							1		1							1				10
D47 Tinsmith							1			1	1					1										1					1								6
D48 Transport Technology									2	2						2										2	2				2								12
	4	26	25	16	21	28	36	27	10	44	38	14	5	20	15	20	4	36	39	6	5	4	8	4	10	35	22	14	18	4	25	11	15	5	34	20	7	3	678

5 General Information for Participants

5.1 Competition Venue

The Helsinki Fair Centre

Messuaukio 1, P.O.Box 21, FIN-00521 Helsinki
Telephone: +358 9 150 91, Telefax: +358 9 142 358
E-mail: info@finnexpo.fi

The Helsinki Fair Centre is the largest fair and conference venue in Finland. It attracts over a million visitors per year to trade fairs, conferences, banquets, concerts, training sessions, meetings and other events. The Fair Centre has 6 exhibition halls and 34 meeting rooms of different sizes. The adjacent Holiday Inn Helsinki hotel and 11 restaurants and cafés complement its services. The Helsinki Fair Centre is owned by the Finnish Fair Corporation.

Helsinki Fair Centre opening hours for audience during competition days: 26 May 10.00 a.m.–6.00 p.m., 27 May 9.00 a.m.–6.00 p.m., 28 May 9.00 a.m.–6.00 p.m. and 29 May 9.00 a.m.–5.00 p.m.

Information and Service Desks at the Fair Centre and Hotels

General Info

General information desks will be located in the main foyer by the Southern entrance and in the foyer by the Northern entrance. These desks will provide you with all kinds of information related to the competition, such as maps, schedules and help in finding officials. The desks serve both official visitors and the general public.

Accreditation

The accreditation office is in the main foyer by the Southern entrance.

Accommodation

The official travel agency for WorldSkills 2005 Helsinki, Event Travel Finland, will have a desk in the main foyer by the Southern entrance during the competition.

Transportation

Official competition transportation and HKL public transportation service desks will be located in the main foyer by the Southern entrance. The competition transportation service desk will provide you with information on all pre-arranged transportation and handle any questions you may have.

The HKL public transportation service desk will provide you with information on public transport, route maps and tickets.

Study Paths and Special Groups

Study path information desks will be located in the Helsinki Fair Centre main foyer by the Southern entrance and in the foyer by the Northern entrance. They will provide you with tasks, maps and guidance for the study paths. You will also find guides for special groups at the desks.

Guide services

Guide services are available during the WorldSkills 2005 in Helsinki.

At the competition venue, you will find young people with yellow scarves. These are students from Helsinki who are there to help you with any questions you may have about the competition, Helsinki or Finland. The guides will help student groups, greet guests at the airport and congress venues, assist the media and introduce skills by the skill venues.

Guides will be available at the Vantaa hotels to assist competitors, and in other hotels when necessary. Reception personnel at the hotels have been briefed on WorldSkills 2005 so that they can help you with any enquiries you may have.

Offices for Official Delegates, Technical Delegates, Chief Experts and Experts

Official Delegates, Technical Delegates, Chief Experts and Deputy Chief Experts can use the WSO office on the first floor of the Congress Wing at the Helsinki Fair Centre, equipped with standard office equipment and PCs with Internet connections and printers.

Meeting rooms have been reserved for the Experts before and after the competition in Helia Polytechnic next to the Fair Centre. During the competition, Experts can work in their offices at the skill venues.

Room for Silence

A common quiet room has been reserved for all religions, and will be open 20–29 May at the Helsinki Fair Centre. A member of staff will be present on 26–29 May. You are welcome to bring your own religious symbols to the room but may not store anything there. Opening Hours: 26–28 May: 9.00 a.m.–5.00 p.m., 29 May 9.00 a.m.–4.00 p.m.

5.2 Accreditation

Official and Technical Delegates, Observers, Team Leaders, Experts and Competitors, the media as well as Skills Finland and WorldSkills employees and volunteers will be accredited for the competition. They will receive an accreditation card, a personal photo-ID worn around the neck which entitles them to free entry to the competition site. A separate ticket is needed for the opening and closing ceremonies.

Between 17–25 May, the accreditation office will be located on the 1st floor of the Fair Centre and subsequently by the main entrance. The office is open daily from 9.00 a.m. to 3.00 p.m. If you lose your card you can apply for a new one at the office. New cards cost EUR 20.

5.3 Accommodation

Event Travel Finland is the official travel agency for WorldSkills 2005 and is responsible for accommodation reservations and the related arrangements. For information on accommodation, please contact Event Travel Finland directly:

Ms Riitta Pystynen
Project Manager
EVENT TRAVEL
Mobile + 358 50 3430 515
Fax: + 358 20 419 5010
www.event-travel.fi

Ms Päivi Määttä
Project Assistant
EVENT TRAVEL
Mobile +358 400 499 458
Fax: +358 20 419 5010
www.event-travel.fi

The ETF information and sales desk is located in the main foyer at the Helsinki Fair Centre. You can reserve and buy various excursion and travel packages during and after the competitions.

Official Hotels

Competitors and Team Leaders

Cumulus Vantaa
Robert Huberintie 4, 01510 Vantaa
Tel: +358 9 4157100

Eurohostel
Linnakatu 9, 00160 Helsinki
Tel: +358 9 622 0470

Finnapartments Fenno
Linnakatu 26, 00530 Helsinki
Tel: +358 9 774 980

Heo Hostel
Kirstinkatu 1, 00530 Helsinki
Tel: +358 9 774 2420

Hotel Arthur
Vuorikatu 19, 00100 Helsinki
Tel: +358 9 173 441

Hotel Ava
Karstulantie 6, 00550 Helsinki
Tel: +358 9 774 751

Pilotti Vantaa
Veromaentie 1, Vantaa 01510
Tel: +358 9 3294800

Ramada Vantaa
Robert Huberintie 6, 01510 Vantaa
Tel: +358 9 415 75100

Experts and Observers

AEL
Jälsitie 5, 00410 Helsinki
Tel: +358 9 53 071

Continental
Mannerheimintie 46,
00260 Helsinki
Tel: +358 9 47 371

Crowne Plaza Helsinki
Mannerheimintie 50,
00260 Helsinki
Tel: +358 9 2521 0000

Cumulus Hotel Kaisaniemi
Kaisaniemenkatu 7, 00100 Helsinki
Tel: +358 9 172 881

Cumulus Hotel Olympia
Läntinen Brahenkatu 2,
00510 Helsinki
Tel: +358 9 69 151

Cumulus Seurahuone
Kaivokatu 12, 00100 Helsinki
Tel: +358 9 691 41

Holiday Inn Helsinki City Centre
Elielinaukio 5, 00100 Helsinki
Tel: +358 9 5425 5000

Holiday Inn Pasila
Messuaukio 1, 00520 Helsinki
Tel: +358 9 43 320

Hotel Martta
Uudenmaankatu 24,
00120 Helsinki
Tel: +358 9 618 7400

Radisson SAS Plaza
Mikonkatu 23, 00100 Helsinki
Tel: +358 9 77 590

Radisson Sas Royal
Runeberginkatu 2, 00100 Helsinki
Tel: +358 9 695 80

Radisson Sas Seaside Hotel
Ruoholahdenranta 3,
00180 Helsinki
Tel: +358 20 1234 700

Sokos Hotel Helsinki
Kluuvikatu 8, 00100 Helsinki
Tel: +358 9 43 320

Sokos Hotel Pasila
Maistraatinportti 3,
00240 Helsinki
Tel: +358 9 433 50

Sokos Hotel Torni
Yrjönkatu 26, 00100 Helsinki
Tel: +358 20 1234 604

Sokos Hotel Vaakuna
Asema-aukio 2, 00100 Helsinki
Tel: +358 20 1234 610

5.4 Meals (Included in Official Packages)

Competitors and Team Leaders

Breakfast
23 May – 2 June at the hotels: check the times at your hotel

Lunch
23–29 May and 31 May – 1 June at Helsinki Fair Centre: Panorama restaurant 11 a.m. – 2 p.m. Participants are divided into into 3 groups. Team Leaders and skill officials will receive the lunch schedules in Helsinki.

30 May:
lunch is served during the Porvoo excursion. Competitors and Team Leaders will need to take their accreditation cards along.

Dinner
23 May – 1 June, at the hotels. Team Leaders will receive the dinner schedules in Helsinki.

Experts

Breakfast
20 May – 2 June at the hotels: check the times at your hotel

Lunch
20–30 May and I June at Helsinki Fair Centre: Winter Garden restaurant 11 a.m. – 2 p.m.

Lunch tickets are included in your accreditation package. You can use the tickets for lunch at Winter Garden.

If you lose your lunch tickets, you can get new ones at the accreditation office by the main entrance. The fee for new ticket is EUR 25.

31 May:
lunch is served during the Porvoo excursion.

Dinner
29 May: Jury dinner at Winter Garden 6 p.m. – 8 p.m.

Official Delegates, Technical Delegates, Official Observers and Observers

Breakfast
23 May – 2 June at the hotels: check the times at your hotel

Lunch
23–30 May and 1 June at Helsinki Fair Centre:
Winter Garden restaurant 11 a.m. – 2 p.m.

31 May:
lunch is served during the Porvoo excursion.

Lunch tickets are included in your accreditation package. You can use these tickets for lunch at the Winter Garden. If you lose your lunch tickets, you can get new ones at the accreditation office by the main entrance. The fee for new ticket is EUR 25.

You can also purchase refreshments and meals from other restaurants in the Helsinki Fair Centre. For more information on cafés and restaurants in Helsinki, please turn to the Helsinki Fair Centre information desks and the Helsinki City Tourism service desk by the main entrance.

5.5 Transportation

Public Transportation in Helsinki

Those who have purchased an official travel package can use public transportation in Helsinki. Accreditation card can be used for travelling on buses, subway, local trains and the Suomenlinna ferry.

Transportation routes, timetables and routes from the hotels to the Helsinki Fair Centre and around the city centre can be found on a separate map. For more information and maps, go to the HKL public transportation service desk by the Helsinki Fair Centre main entrance.
Journey planner on the Web: **http://aikataulut.ytv.fi/reittiopas/en/**

Transportation Arranged for Official Travel Package Buyers

NB! Inform Mrs. Kirsi Aarnikare of changes to departure schedules no later than 48 hours in advance.

Mrs. Kirsi Aarnikare
Transportation Officer
+358 50 5548280
kirsi.aarnikare@skillsfinland.com

Competitors and Team Leaders

22 May:
shuttle service from the airport to the hotels according to the arrival times provided.

23 May:
transportation from the hotels to Helsinki Fair Centre for lunch and back. Departure from hotels as follows: Hotel Ramada Airport at 10.30 a.m., Hotel Cumulus Vantaa at 11.30 a.m., Hotel Pilotti Vantaa at 12.30 p.m. and Helsinki Hotels at 12.30 p.m. Return from Helsinki Fair Centre to the hotels as follows: Hotel Ramada Airport at noon, Hotel Cumulus Vantaa at 1.00 p.m., Hotel Pilotti Vantaa at 2.00 p.m. and Helsinki Hotels at 2.00 p.m.

23 May:
Competitors, Official Delegates, Official Observers and Team Leaders attend Helsinki city sightseeing before the receptions (for more information, see Welcome Receptions).

Competitors and Team Leaders picked up from their hotels for Helsinki city sightseeing and welcome reception as follows:Hotelli Meripuisto in Espoo at 4.45 p.m., Hotels Cumulus, Ramada and Pilotti in Vantaa at 5.00 p.m. and Helsinki hotels at 5.30 p.m. Return to hotels from Kalastajatorppa at 9.00 p.m.

24 May:
Transportation from the hotels to Helsinki Fair Centre.
Departure from hotels as follows: Hotel Ramada Airport at 8.00 a.m., Hotel Cumulus Vantaa at 8.00 a.m., Hotel Pilotti Vantaa at 8.00 p.m. and Helsinki Hotels at 8.15 p.m. Return from Helsinki Fair Centre to the hotels at 6.30 p.m.

25 May:
Transportation from the hotels to Helsinki Fair Centre.
Departure from hotels as follows: Hotel Ramada Airport at 8.00 a.m., Hotel Cumulus Vantaa at 8.00 a.m., Hotel Pilotti Vantaa at 8.00 p.m. and Helsinki Hotels at 8.15 p.m. Return from Helsinki Fair Centre to the hotels at 3.00 p.m.

25 May:
transportation of Competitors and Team Leaders to the opening ceremony: Hotelli Meripuisto in Espoo at 5.15 p.m., Hotels Cumulus, Ramada and Pilotti in Vantaa at 5.30 p.m. and Helsinki hotels at 5.45 p.m.
Return to hotels from the Helsinki Ice Hall at 9.00 p.m.

26–29 May:
transportation of Competitors and Team Leaders to the Helsinki Fair Centre: Hotelli Meripuisto in Espoo at 7.30 a.m., Hotels Cumulus, Ramada and Pilotti in Vantaa at 7.30 a.m. and Helsinki hotels at 7.45 a.m.

26–29 May:
departures from the Helsinki Fair Centre to all hotels at 6.00 p.m. and 8.00 p.m. (29 May also at 7.00 p.m.)

30 May:
Porvoo excursion
Competitors and Team Leaders will be divided into two groups, A and B. Team Leaders will receive information on the groups and their programmes in Helsinki.
Group A Buses arrive at 9.30 a.m. Departure from hotels at 10.00 a.m. and return to hotels at 7.00 p.m.
Group B Buses arrive at 12.30 p.m. Departure from hotels at 1.00 p.m. and return to hotels at 10.00 p.m.

1 June:
Closing ceremony and Farewell Party Buses from hotels to Helsinki Ice Hall: Hotelli Meripuisto in Espoo at 4.30 p.m., Vantaa hotels at 4.45 p.m. and Helsinki hotels at 5.15 p.m. Departure back to the hotels from the Helsinki Ice Hall: at 10.30 p.m., 11.30 p.m. and 00.30 a.m.

2 June:
shuttle service for Competitors from their hotels to the airport.
Buses will run according to the provided departure times.

Experts
As there is no shuttle service to the opening and closing ceremonies in the Helsinki Ice Hall, we recommend using public transport. You will find the route map in your information package. For more information, turn to the HKL public transportation service desk by the Helsinki Fair Centre's main entrance.

19 May:
shuttle service from the airport to the hotels according to the provided arrival times.

20 May:
Helsinki city sightseeing and Espoo welcome reception for Experts and Technical Delegates. Departure from hotels at 6.00 p.m. and return from Espoo Centre for Culture at 10.00 p.m.

31 May:
Porvoo excursion. Groups announced in Helsinki.
Group A Buses arrive at 9.30 a.m. Departure from hotels at 10.00 a.m. and return to the hotels at 8.30 p.m. **Group B** Departure from hotels at 11.00 a.m. and arrival back at 9.30 p.m.

2 June:
shuttle service from the airport to the hotels according to the provided arrival times.

Official Delegates, Technical Delegates, Official Observers and Observers
As there is no shuttle service to the Opening and Closing ceremonies in the Helsinki Ice Hall, we recommend using public transport. For more information, turn to the HKL public transportation service desk by the Helsinki Fair Centre's main entrance.

20 May:
Helsinki city sightseeing and Espoo welcome reception for Experts and Technical Delegates. Departure from hotels at 6 p.m. and return from Espoo Centre for Culture at 10.00 p.m.

22 May:
shuttle service from the airport to the hotels according to the provided arrival times.

23 May:
Official Delegates, Official Observers, Observers, Competitors and Team Leaders attend Helsinki city sightseeing before the welcome reception. Departure from the hotels as follows: Hotelli Meripuisto in Espoo at 4:45 p.m., Hotels Cumulus, Ramada and Pilotti in Vantaa at 5.00 p.m. and Helsinki hotels at 5:30 p.m. Return from Kalastajatorppa at 9.00 p.m.

31 May:
Porvoo excursion. Groups announced in Helsinki.
Group A Buses arrive at 9.30 a.m. Departure from hotels at 10.00 a.m. and return to the hotels at 8.30 p.m. **Group B** Departure from hotels at 11.00 a.m. and return to the hotels at 9.30 p.m.

2 June:
shuttle service takes the groups from their hotels to the airport.
The buses will run according to the provided departure times.

5.6 Security and Medical Care

The security organisation for the event and the local rescue organisation together with local authorities are responsible for security. If you notice any safety defects or risks, please contact the safety organisation immediately.

Preventive measures

- Find the nearest fire extinguishers and familiarise yourself with their instructions.
- Find the nearest emergency exits and familiarise yourself with the exit routes.
- Find the nearest first aid kits.
- Be alert.

Evacuation

If venues need to be evacuated during the event, listen to the announcements and instructions. Follow the instructions given by security personnel and the authorities. For further instructions on evacuation, the place of assembly is the parking facility closest to the northern entrance of Helsinki Fair Centre.

Robberies and thefts

Remember that personal safety is always paramount. Should a robbery occur, do the following:

- Remain calm
- Remember that the robber could be intoxicated or armed
- Do not resist the robber unless you are absolutely sure you can control the situation
- Try to memorise details about the robber'(s') appearance
- Notify the police as soon as possible, and the competition's security organisation

Fires and other accidents

Do the following:

- Save (those in danger)
- Extinguish the fire (with the provided fire extinguishers)
- Call for help (call 112)
- Prevent the fire from spreading (close the fire doors and windows)
- Guide (direct the fire brigade and/or ambulance to the scene of the incident)

Threatening phone call or other threat

If you receive a threatening phone call, write down the exact time of the call, stay calm and do not hang up. Write down as many details about the phone call as you can. Notify the security organisation and/or the police immediately. If you notice a threatening situation, suspicious substances or objects, notify the competition's security organisation immediately.

First Aid

A doctor and first aid personnel will be available at the Fair Centre during the competition. They can be found at the foyer by the Northern entrance. Follow the signs in the halls.

If you see someone collapse (the patient is unconscious and does not wake up or appears lifeless), administer the necessary first aid. If you call an ambulance yourself, remember to notify the security organisation at the Fair Centre's control room so that they can send their first aid team to the scene and be there to meet the ambulance.

First aid +358 9 1509 228
General emergency number 112
Security organisation, the Fair Centre's control room +358 9 1509 254
The police 10022

In the Helsinki Ice Hall, first aid teams will be available during the opening and closing ceremonies and the ice hall safety organisation will be responsible for security during the events.

6 Official Receptions and Excursions for Participants

6.1 Welcome Receptions

There will be a sightseeing tour of Helsinki before the official welcome reception. The bus will pick you up from your hotel (see the Transportation page for pick-up times). You will see Helsinki's most famous landmarks, with guidance being given in English, French and German. After the tour, the bus will take you directly to the reception. Entrance to the reception is by invitation only, which is included in the competition package. Invitations will be checked upon entering the bus.

Experts and Technical Delegates 20 May at 6.00 p.m. – 10.00 p.m.
The City of Espoo will hold a reception hosted by Mayor Marketta Kokkonen on 20 May in Espoo Centre for Culture, Kaupinkalliontie 10/ Kulttuuriaukio 2, Espoo.

Official Delegates, Observers, Competitors and Team Leaders 23 May at 6.00 p.m.–9.00 p.m.
The City of Helsinki will hold a reception hosted by Lord Mayor Eva-Riitta Siitonen on 23 May in Kalastajatorppa, Kalastajatorpantie 1, Helsinki.

6.2 Opening and Closing Ceremonies

The Opening and Closing ceremonies of the 38th WorldSkills Competition and the Farewell Party will be held in the Helsinki Ice Hall in Nordenskjöldinkatu 11-13.

The briefing on the ceremonies for Team Leaders will be held in the Helsinki Ice Hall on 25 May from noon to 1.00 p.m.

The Opening ceremony will be held on 25 May 7.00 p.m. – 9.00 p.m. and the Closing ceremony on 1 June 6.00 p.m. – 9.00 p.m. and The doors will open an hour before the start of the ceremonies, the spectators arriving no later than 15 minutes before the beginning. The Farewell Party will begin right after the Closing ceremony at 9.00 p.m.

Tickets for both the Opening and Closing ceremonies must be shown at the door. You can find your ticket in your accreditation envelope. Keep your accreditation card visible when entering the stand. Special seats have been reserved for the official participants, and are marked on the tickets and site maps. Experts and Observers should note that they do not have numbered seats but have free seating in stands A2-7 and B1. Admission to the Farewell Party is through the wristband included in the accreditation envelope. Make sure that you have the wristband with you at the Closing ceremony!

Cloakrooms are not provided during the events so, weather permitting, we ask you to leave your overcoats in your hotel or take them with you to your seat. You can purchase refreshments from the restaurants in the Helsinki Ice Hall. The Ice Hall will be a no-smoking area during the Opening and Closing ceremonies. An area will be reserved for smoking at the Farewell Party. You may take pictures, but please remain seated while doing so. The Helsinki Ice Hall forbids bringing alcohol, guns or fireworks onto the premises.

Opening ceremony in a nutshell

25 May at 7 p.m. in Helsinki Ice Hall

The transportation service will take Competitors and Team Leaders from the hotels to the Helsinki Ice Hall (see the Transportation page for times).

Our buses will take you to the rear entrance of the Ice Hall, where you will enter the practice hall. You must enter by 6.30 p.m. at the latest. Please take your place behind your country's flag and sign and dress in your official team outfit and indoor shoes. Don't take an overcoat with you, if possible. After the team has been gathered in line, you will be ready to enter the arena. The teams will be guided onto the stage and, after the presentation, to take their seats on the floor. At the end of the show, our dancers will ask you to join the disco on the dance floor. When the ceremony is finished, you will be ushered out of the hall along the same route as that you used to enter the premises. Buses will take you back to your hotels. You may take pictures, but please remain seated while doing so.

Closing ceremony in a nutshell

1 June at 6 p.m. in Helsinki Ice Hall

The transportation service will take Competitors and Team Leaders from the hotels to the Ice Hall (see the Transportation page for times).

Again, our buses will take you to the back entrance. You will be guided to your seats on the floor. The first 10 skills prizes will be awarded, the prizes being issued in blocks of 10 skills. After that the best from each country will receive their trophies and the best of the best will receive the Albert Vidal prize. Following the ceremony, you will be ushered to the exit in time for the Farewell Party. At the party, you will be provided with food, drinks and music. The shuttles to your hotels will leave from the rear entrance of the hall at the given times. The party will end around midnight.

6.3 Happy Hour

Official Delegates, Technical Delegates, Official Observers and Experts
Happy Hour on 26–28 May at 5.00 p.m.–6.00 p.m. and on 29 May at 4.00 p.m. – 5.00 p.m. at Helia Polytechnic's Bistro restaurant next to the Helsinki Fair Centre in Rautatieläistenkatu 5. There will be a guided route from competition sites to the Happy Hour. Entrance with accreditation card only.

6.4 Official Excursions

Official Excursions to Porvoo

Official visitors can participate in an excursion to the city of Porvoo. Porvoo is one of the most popular tourist attractions in Finland and offers something for everyone throughout the year.

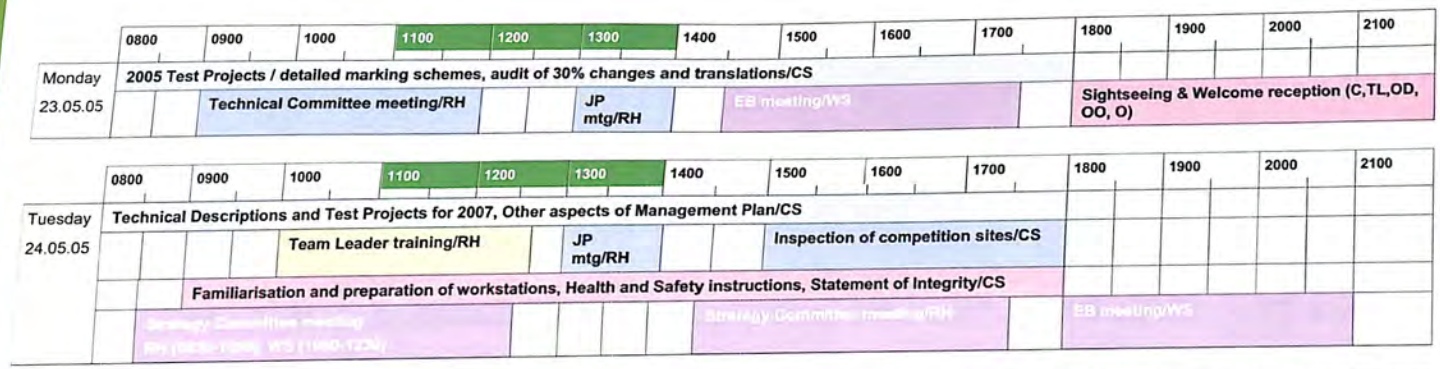
30 May:
Competitors and Team Leaders
Unique excursion by bus and boat. This is your chance to try something new, such as the trapeze jump. Bring casual and comfortable outdoor clothes. Comfortable walking shoes and taking account of possible changes in the weather will help ensure that you enjoy the day.

31 May:
Official Delegates, Technical Delegates, Official Observers, Observers and Experts
In Porvoo, you can acquaint yourself with the history of Finnish prohibition, modern international trade, peaceful countryside and lively urban life. Bring casual and comfortable outdoor clothes. Comfortable walking shoes and taking account of possible changes in the weather will help ensure that you enjoy the day.

Please wear your accreditation cards, since these will be checked upon boarding the bus in the morning, and remember to check the bus timetables in the Transportation section. For more information on the City of Porvoo, visit **www.porvoo.fi**

7 Programme

	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
Thursday 19.05.05	Arrival 1 – TD, E (Technical Delegates, Experts)													
Friday 20.05.05		TC mtg/RH	JP, CE, DCE training/RH				JP, CE&DCE working with management plans/BS						Sight seeing & Welcome reception (E, TD)	
		Skill related excursions for experts							Training for translators/RH					
Saturday 21.05.05		Expert training (3 groups)/RH, BR, C2						Skill related training for Experts/BS		2005 Test Project preparation/BS				
		Management plans submitted to Chair or Vice Chair of Technical Committee				JP mtg/RH			Quality Assurance mtg/WS					
Sunday 22.05.05	Arrival 2 – OD, TL, C, OO, O (Official Delegates, Team Leaders, Competitors, Official Observers & Observers)													
	2005 Test Project preparation and organising the expert work following the approved Management Plan/BS													
						JP mtg/RH			DCE mtg(Tech Desc)/RH					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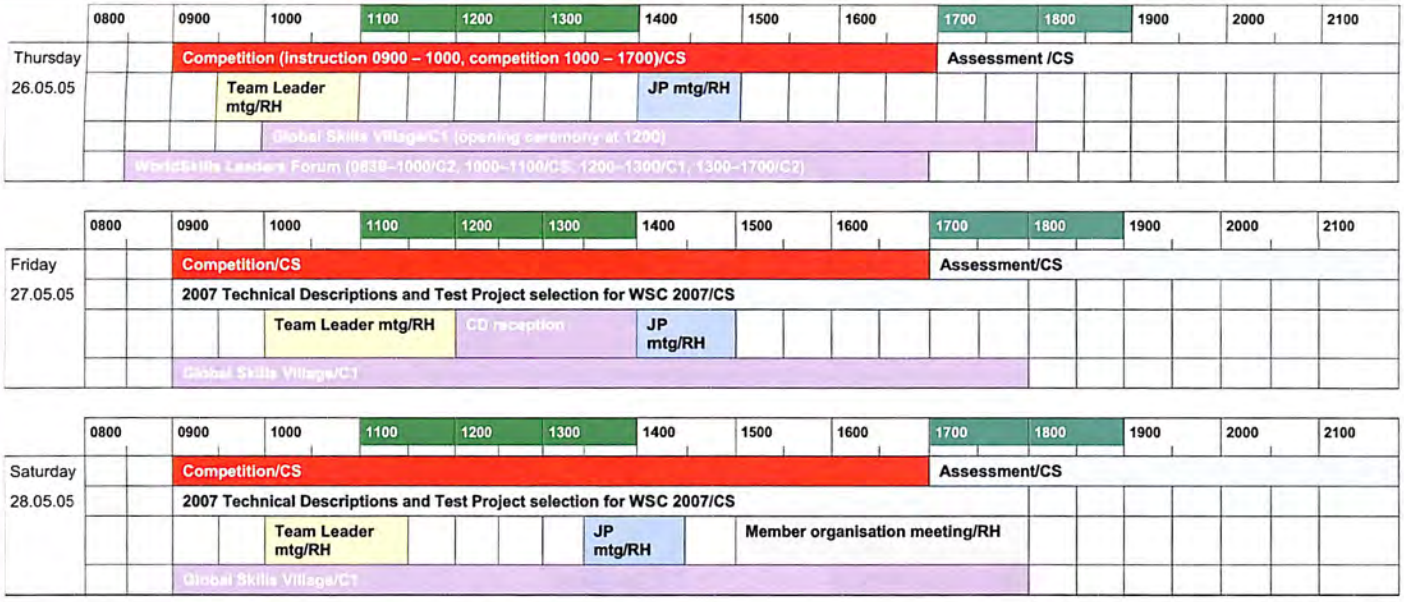
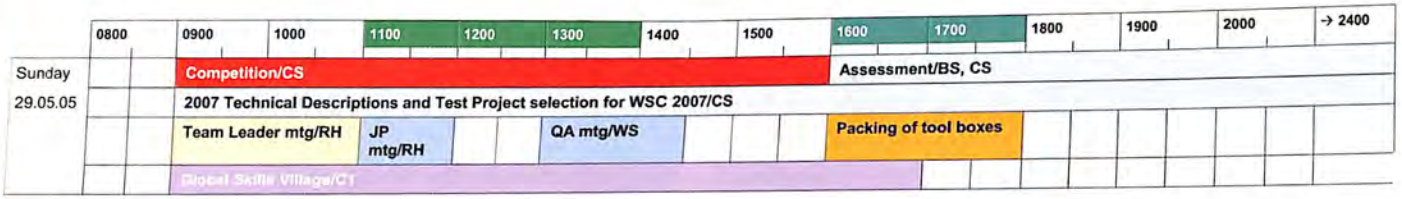
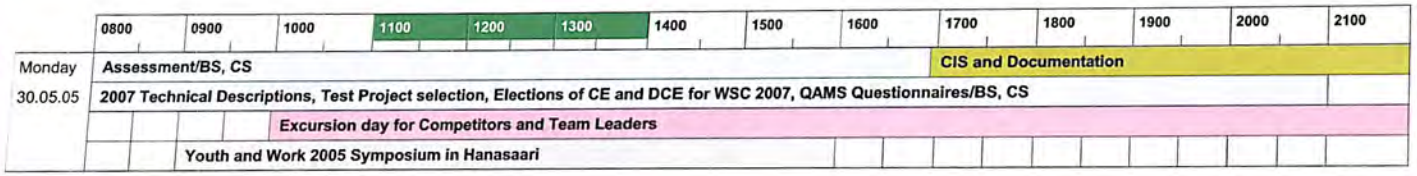
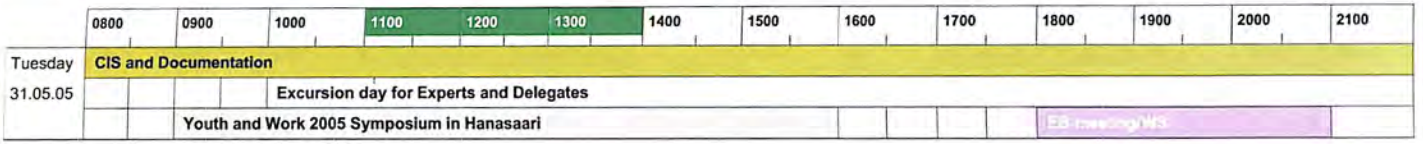
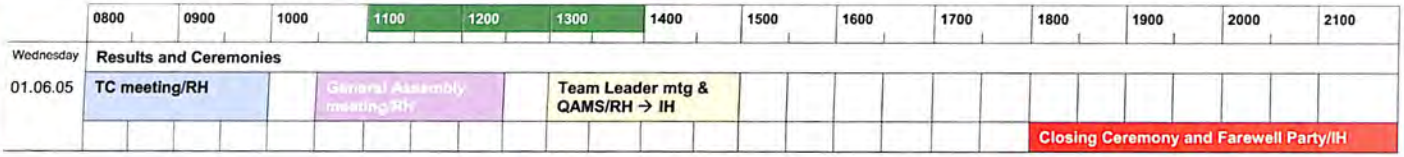
Monday 23.05.05
2005 Test Projects / detailed marking schemes, audit of 30% changes and translations/CS
Technical Committee meeting/RH
JP mtg/RH
EB meeting/WS
Sightseeing & Welcome reception (C,TL,OD, OO, O)
Tuesday 24.05.05
Technical Descriptions and Test Projects for 2007, Other aspects of Management Plan/CS
Team Leader training/RH
JP mtg/RH
Inspection of competition sites/CS
Familiarisation and preparation of workstations, Health and Safety instructions, Statement of Integrity/CS
Strategy Committee meeting/RH
EB meeting/WS
Wednesday 25.05.05
Familiarisation and Fairness and Transparency Check List/CS
Competition management/CS
QA mtg/WS
Team Leader Training/RH → IH
JP mtg/RH
Opening Ceremony in Ice Hall/IH

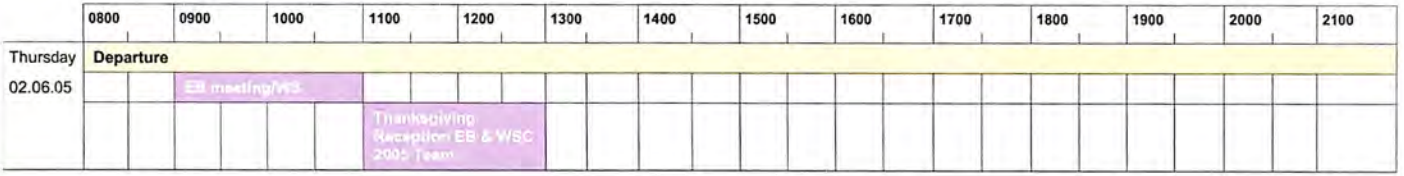

0800 0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100
Thursday 26.05.05
Competition (Instruction 0900 – 1000, competition 1000 – 1700)/CS
Assessment /CS
Team Leader mtg/RH
JP mtg/RH
Global Skills Village/C1 (opening ceremony at 1200)
WorldSkills Leaders Forum (0830–1000/C2, 1000–1100/C3, 1200–1300/C1, 1300–1700/C2)
Friday 27.05.05
Competition/CS
Assessment/CS
2007 Technical Descriptions and Test Project selection for WSC 2007/CS
Team Leader mtg/RH
CD reception
JP mtg/RH
Global Skills Village/C1
Saturday 28.05.05
Competition/CS
Assessment/CS
2007 Technical Descriptions and Test Project selection for WSC 2007/CS
Team Leader mtg/RH
JP mtg/RH
Member organisation meeting/RH
Global Skills Village/C1











Glossary

C = Competitor
CE = Chief Expert
CIS = Competition Information System
DCE = Deputy Chief Expert
E = Expert
EB = Executive Board
GA = General Assembly
JP = Jury President
OD = Official Delegate
SC = Strategy Committee
TC = Technical Committee
TD = Technical Delegate
TL = Team Leader
QA = Quality Assurance

Legend of room allocation

RH = Round Hall
BR = Ball Room
C2 = Conference Room 2
BS = Business School
WS = WorldSkills Office
CS = Competition Site
C1 = Conference Room 1
IH = Ice Hall

Notes:

Press Centre open daily (24.05.2005–01.06.2005) from 0900–1800

Time allocation

Lunch time 1100 – 1400 daily
Happy Hour – refer program

8 Non-Competition Events

The annual, national Taitaja (FinnSkills) competition has evolved into an event for vocational skills and training which provides information and wonderful experiences for all those involved. Skill Finland has sought to use the same, successful formula for organising the WorldSkills Competition.

Non-competition events is a heading under which various additional events that support the aims of the WorldSkills Competition are gathered.

Global Skills Village 26–29 May 2005

The Global Skills Village provides a meeting place for vocational skill professionals in the Congress Wing of the Helsinki Fair Centre. During the four competition days, high-level seminars on vocational skills and vocational skill competitions will take place there. The International Village's introduction of WSO member countries, and Partner Expo's introduction of Finnish and international organisations and companies, can also be found in the Village. A stage in the International Village will host various cultural shows. The Global Skills Village opening ceremony will be on Thursday, 26 May from noon to 1 p.m.

English is the main language for the seminars and there will be a separate programme for the Global Skills Village. The Finnish National Board of Education is the main organiser and the Global Skills Village and seminars are free of charge and open to the general public. The Global Skills Village will be open on 26 May 11 a.m. – 6 p.m., 27–28 May 9 a.m. – 6 p.m. and 29 May 9 a.m. – 5 p.m.

Education and Training Expo 26-29 May 2005

Finnish vocational education and training organisers will introduce themselves in the Education and Training Expo in the Ball Room at the Helsinki Fair Centre. The Education and Training Expo will be open during competition hours.

Sponsor Village 26-29 May 2005

In the Sponsor Village, located by the main entrance of the Helsinki Fair Centre, the visitors can familiarise themselves with the sponsors of the World Skills Competitions. The Sponsor Village will be open on competition days.

National Skills Presentations

Skills Finland intends to present some Finnish skills to the visitors during WorldSkills 2005 in Helsinki. These presentation skills are forestry machinery, decoration and practical nursing.

International Skills Presentations

France will organise the international presentations in plastering and road construction.

Study Paths at the Helsinki Fair Centre

Students on field trips and other visitors can choose ready-made study paths at the competition site, through which they can gain a comprehensive picture of various professions and working life, and enjoy an international atmosphere. Material for the study paths will be available in Finnish, Swedish and partly in English. The following paths are available: 1. Palveluduuni (Services) 2. Formula 3. Estetiikka (Aesthetics) 4. City 5. Tekno (Techno).

These paths present comprehensive coverage of all professions. Exhibition hall colours will be used to visualise the paths and group professions and facilities. The paths are mainly for young people, but all visitors are welcome to use them.

Masters with Top Skills

The Federation of Finnish Enterprises, together with its member organisations representing craftsmen, will introduce and present various professions in the Glass Gallery at the Helsinki Fair Centre 26–29 May. Presentations will be carried out by master-class craftsmen who are well-known and experienced in their fields. In all, 15 craftsmen from florist to blacksmith will present their crafts.

These presentations aim to introduce top Finnish craftsmen and their skills to the visitors, while creating a bridge between young professionals and experienced masters and promoting craftsmanship and entrepreneurship among the young. The masters will serve as examples to the skilled youngsters, and will meet the next generation of craftsmen. Vocational skill competitions and skill presentations also serve the purpose of promoting the traditional master and apprentice roles.

International Symposium of Youth and Work Culture 2005, 30-31 May 2005, Hanasaari Cultural Centre, Espoo

The Symposium is organized by The Finnish Institute of Occupational Health together with Skills Finland. The aim of the symposium is to provide a forum for the discussion of different aspects of youth and the related working culture, and to enhance co-operation and create a partnership between research, education and business establishments in this field.

The programme and registration form is available on-line at **www.ttl.fi/ywculture**. Symposium Secretary +358 40 708 23 89

WorldSkills Leaders' Forum 25-26 May 2005

After its inauguration in Seoul 2001, its successful follow up in St.Gallen 2003 and in conjunction with the 38th WorldSkills Competition, we will host the Helsinki 2005 WorldSkills Leaders' Forum in the Helsinki Fair Centre on 25-26 May 2005.

This event will provide an excellent opportunity to learn new strategies and methods and build partnerships and networks focusing on specific

aspects of Technical Vocational Educational and Training.

Due to the growing importance of Education, Training and Skills Development Programmes worldwide and among all stakeholders, we invite you to join this WorldSkills Leaders' Forum to build bridges, initiate the TVET cross national dialogue, set new standards and above all: to come and see the best practices in Vocational Education and Training at the 38th WorldSkills Competition!

Backstage2005 Youth Event at Helsinki Ice Hall 26-27 May

Finnish businesses will organise the Backstage2005 Youth Event in connection with the WorldSkills Competition, providing facts and fun related to working life. Presentations will be held on both days at noon and 2.30 p.m. At the same time, teachers, business representatives, teacher training students and decision-makers in the field of education will meet in the Ice Hall to discuss cooperation between schools and businesses. The events are in Finnish and free of charge.

Metsävisa (Forest Quiz) 2005 Skill Finals

Metsävisa (Forest Quiz) is a quiz on forest biology, forestry, forest industry and environmental issues for Finnish comprehensive school classes 7–9. The 15 students participating in the finals have competed against 32,000 students from 400 schools. The skill final will be held in the WorldSkills event, testing the finalists' wilderness skills among other things. Metsävisa 2005 is the 24th quiz, organised by the Finnish Forest Association and the Association of Teachers of Biology and Geography, BMOL, in cooperation with the Finnish forest industry, the Finnish Forest Foundation and Nordea.

Official Hospitality Area

The official hospitality area is situated on the first floor of the Congress Wing at the Fair Centre. The lounge offers the opportunity to take a break and socialise with other VIP guests. Entrance with the official VIP card only.

9 Media Services

The press room is located on the first floor of the competition venue, and access is permitted only with the accreditation badge provided by the Event organiser. There are around 15 workstations with Internet connections and 2 laser printers in the press room. The workstations share a 100 Mb ethernet-connection, which should be adequate for photo emailing.

The press centre will be open 24–31 May at 9.00 a.m.–6.00 p.m. and 1 June 9.00 a.m.–midnight.

Skills Finland maintains a competition Internet-site where e.g. high resolution photos, video clips and news can be downloaded for free. On-site competition television broadcasting will be also streamed to the Internet. The competition television service will be run by students under the guidance of teachers, and will be broadcast in English for one hour every day.

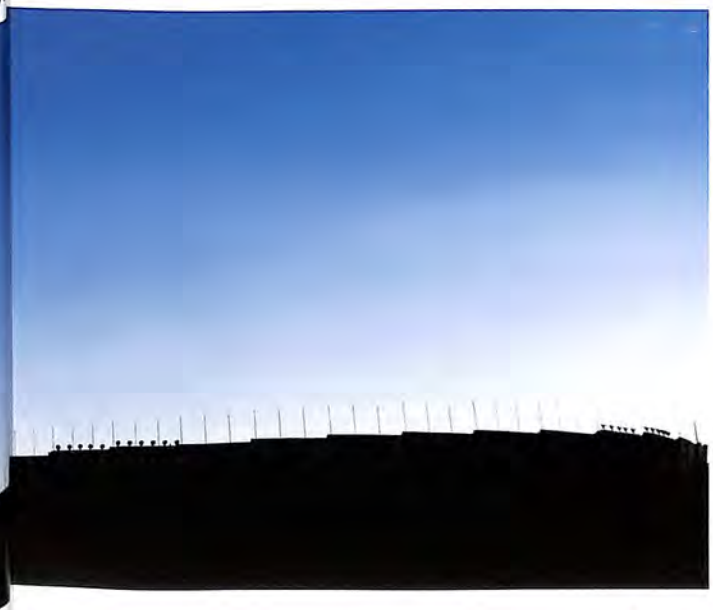
Those member countries which wish to have tailor-made videos, broadcasting, photos or documentation on their team should see **www.wsc2005helsinki.com** for the related services, including a list with a few service providers.

Guided Tours for Media in Helsinki

The City of Helsinki will organise two sightseeing tours for the media in Helsinki on 26 and 28 May at 5.30 p.m.–7.30 p.m. Please register at **mariska.szrok-lilja@hel.fi** or in the Press room.

Official Excursions to Porvoo

The media is also welcome to join in Porvoo on Monday 30 May for the competitors' excursion. Please register at **mia.lagstrom@amisto.fi** by 25 May or in the Press room.



10 Spirit of WorldSkills 2005 Helsinki

10.1 Skilly – Mascot of the WorldSkills 2005 Helsinki

The idea for the mascot of the WorldSkills 2005 Competition began to take shape in the mind of architect Tanja Karpasto last autumn. AD Esa Ylä-Anttila, who also designed the mascot for the IAAF World Championships in Athletics in Helsinki, designed the mascot. The aim was to create a mascot that is neither a person nor an animal but which captures the international, youthful and positive atmosphere of the event. Skilly's yellow colour symbolises sociability, warmth, wisdom, spring, strength and light. Skilly will be given as a present to foreign competitors and experts and also sold during the competition.

Skilly is a happy creature,
a little mischievous perhaps,
but good natured.

Quite a remarkable, astonishing thing,
with several hands and feet, you see,
gets everything done, the busy bee.

Handy with hammers, brushes and spoons
as well as mice, cables and cords.

Skilly is famous everywhere,
with a global mentality
and international air.

Why would anyone
want to be without a Skilly
to bring them luck –
that would be plain silly.

10.2 Official Licensed Products

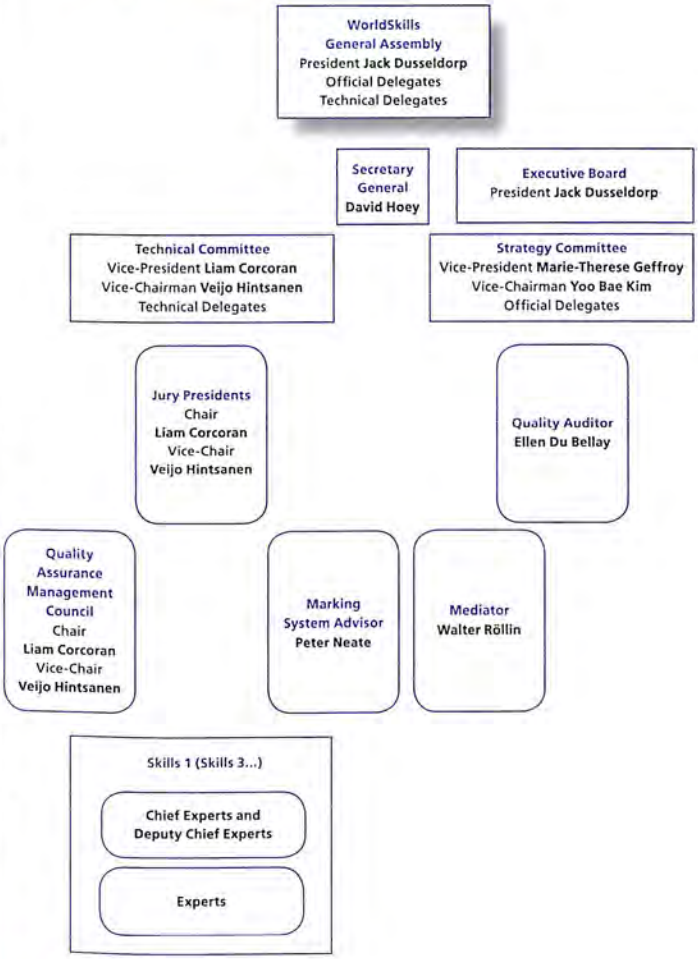
The product range includes the following: T-shirt, piqué t-shirt, fleece jumper, cap, stocking cap, key lace, wristband, rucksack and the mascot Skilly. They will be sold in the foyers by the main entrance (Southern entrance) and the Northern entrance, and in front of Hall 5. The shops will be open during competition hours.

10.3 WorldSkills 2005 Helsinki Theme Music

Skills Finland arranged a competition for the WorldSkills 2005 theme music with the Conservatoire Association of Finland and the Helsinki Pop & Jazz Conservatory. A 20-year-old, Vili Ollila, won the competition with his piece "Sound Vision – Vahva näkemys". The piece won due to its fresh, wild and unique approach and premiered on 21 January at the closing ceremony of the Taitaja (FinnSkills) competition in Turku as the Finnish WorldSkills team marched onto the stage.

11 WorldSkills 2005 Helsinki Organisation

11.1 WorldSkills 2005 Competition Organisation



The Worldskills Technical Committee bears the main responsibility for the management of the competition. Elected Chief Experts and Deputy Chief Experts guided by the Jury Presidents, all members of the Technical Committee, take care of the Management Plan for each skill category and supervising the work of experts before and during the competition. These groups' responsibilities include test project preparation, competition management, assessment and developing the Technical Descriptions of each skill category for the next competition.

Skill Management Teams

Skill		Jury President	Chief Expert	Deputy Chief Expert
1	Polymechanics / Automation	Roberto Spada BR	Torsten Wolf DE	Christoph Eicher CH
3	Manufacturing TC	Roberto Spada BR	Geoffrey Ball AU	Harm Nagels NL
4	Mechatronics	Michael Casserly IE	Benoit Maisonneuve CA	Andrew Health AU
		Cesar Quevedo MX		
5	Mechanical Engineering CADD	Antonio Caldeiro PT	Helmut Molter DE	Gilles Petit FR
6	CNC Machining	Edwin Naef CH	Hans Rudolf Zuercher CH	Jorge Mauricio PT &
		Denis Ertle FR		
9	IT Software Applications	Ling Biu Hung MO	Delia Suffling UK	Raymond Wong HK
10	Welding	Josef Lanz IT	Paul Condran AU	John Kroissenbrunner CA
12	Wall & Floor Tiling	Anders Plesner SE	Michel van Erkelens NL	Venoni Denis FR
13	Autobody Repair	Andre Vermeulen ZA	Guy Cassie CA	Matti Ylönen FI
15	Plumbing	Parvis Imani IR	John Smartt IE	Gilles Pornin FR
16	Industrial Electronics	Guan Teck Heng SG	Gareth Humphreys UK	Stéphane Balet CH
17	Web Design	Guan Teck Heng SG	David Summerville AU	Peter van den Berg NL
18	Electrical Installations	Ui Seok Hong KR	Michael Hourihan IE	Agner Holen NO
19	Industrial Control	Theresa McNamara NZ	Peter Grininger AT	Gilles Habel CA
20	Bricklaying	Anwer Baig MY	Jorg-Lutz Ruschke DE	Germain Filion CA
21	Stonemasonry	Francois Ortolani LU	Antonio Moreira PT	Richard Simmonet FR
22	Painting & Decorating	Christian Sperle DE	Dirk Balthasar AU	to be elected in Helsinki
24	Cabinetmaking	Elisabeth Lange NO	Mark Bramer CA	Ulf Brunne SE
25	Joinery	Faycal Ammar TN	Carlos Diogo PT	Phil Agnew NZ
26	Carpentry	Yvan Valentinuzzi FR	Alfred Evers NL	Sören Vikkelsö DK
27	Jewellery	Michael Fung HK	Arto Tikkunen FI	Vincent Kong Kang Kau HK
28	Floristry	Morgan Chen TW	Adrian Hertig CH	Hanne Viljanen FI
29	Ladies' / Men's Hairdressing	John Shiel AU	Judy Rambeau US	Manfred Kuchs AT
30	Beauty Therapy	John Shiel AU	Dawn Ward UK	Heli Stolt FI
31	Ladies' Dressmaking	Pia Hegner DK	Jozée Dulude CA	Toril Slaatto Christie NO
32	Confectioner / Pastry Cook	Graeme Hall UK	Manfred Bacher DE	Werner Ruggegger CH
33	Automobile Technology	Santi Bumrungkunakorn TH	Erwin Nussbaumer CH	Rudolf Angerer DE
		Grace McLean JM		
34	Cooking	Francois Belisle CA	Svein Magnus Gjönvik NO	Maximillian Noehammer AT
35	Restaurant Service	Graeme Hall UK	Anthony Conlon IE	Dorrit Vigso NO
		Denis Ho BN		
36	Car Painting	Edwin Naef CH	John Tuau NZ	Göran Nordgren SE
37	Landscape Gardening	Stefan Praschl AT	Christian Desmarais CA	Ludwig Loorbeer AT
38	Refrigeration	Joseph Nigsch LI	Shane McCarthy CA	Ralf Huehren DE
39	IT PC Network Support	Mohammed Alowayed SA	Jen Bell UK	Jans Belicke DE
40	Graphic Design Technology	Yahya Mohamed Mahdi AE	René van den Heuvel NL	David Lui HK
D43	Telecommunication	Koichi Nischizawa JP	Takuo Kikuchi JP	to be elected
D44	Printing	Jos de Goey NL	Pentti Viluksela FI	to be elected
D46	Sheet-Construction Steelwork	Jos de Goey NL	George Bekx NL	to be elected
D47	Tinsmith (Roofing)	Christian Sperle DE	Niklas Angelöf SE	to be elected
D48	Transport Technology	Jos de Goey NL	Ossi Malhonen FI	Stefan Reimers SE

Quality Assurance Management Council

Chairman (joint) Liam Corcoran IE and Veijo Hintsanen FI

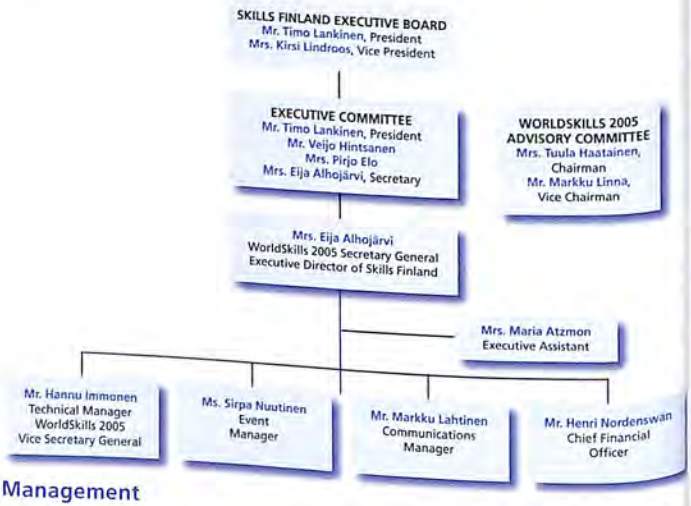
Areas of Responsibility
Competitors and Team Leaders
Health and Safety
Fairness and Transparency
Discipline System
Technical Documentation
Technical Descriptions
Evaluation and Training of Jury Presidents
Evaluation and Training of Experts
Evaluation and Training of Translators and Interpreters
Quality Manual for Experts
Management of Test Projects
Marking System Advisor
Mediator
Quality Auditor*

*Independent consultant appointed by, and responsible to, the Executive Board of WorldSkills.

Chairpersons of Audit Teams
Pia Hegner DK
Andre Vermeulen ZA
Antonio Caldeiro PT
Jean-Marie Méan BE
Roberto Spada BR
John Shiel AU
Don Hatton US
Graeme Hall UK

Santi Bumrungkunakorn TH
Anders Plesner SE
David Hoey WS
Peter Neate WS
Walter Röllin WS
Ellen du Bellay WS

11.2 Event Organiser



Management

Timo Lankinen
President of the Executive Board and Executive Committee, WorldSkills Official Delegate

Veijo Hintsanen
Member of Executive Board and Executive Committee, WorldSkills Technical Delegate

Eija Alhojärvi
Executive Director, WSC 2005 Secretary General

Maria Atzmon
Executive Assistant

Taru Väärti
Executive Assistant

Competition Preparation and Management

Hannu Immonen
Technical Manager, WSC 2005 Vice Secretary General

Tommi Heikkilä
Technical Assistant

Jussi Karlsson
Logistics Manager

Heikki Kokkonen
CAD Coordinator

Immo Pylvänen
HEPAC Coordinator

Jorma Sihvonen
Security Manager

Riikka Ruotsala
Project Manager (Occupational Health and Safety Project)

Laura Laakkonen
Project Worker (Occupational Health and Safety Project)

Jusa Virtanen
IT Coordinator

Piia Virtanen
IT Coordinator

Events and Accommodation

Sirpa Nuutinen
Event Manager

Pipsa Kirjavainen
Event Assistant

Vesa Ruotonen
Producer, Opening and Closing Ceremonies

Yrjö Iskala
Manager, Transportation

Communications and Marketing

Markku Lahtinen
Communications Manager

Tiina Meklin
Information Officer

Matti Kauppinen
School Coordinator

Elina Salaja
Communications Assistant

Pertti Knuuttila
Executive Director, Advertising Agency

Tommi Mannila
Marketing Director, Licence Products

Finance and Sponsoring

Henri Nordenswan
Chief Financial Officer

Tero Kumpulainen
Coordinator of Official and Supplier Sponsoring, Infront Nordic

Salla Mäkelä
Coordinator of Official and Supplier Sponsoring, Infront Nordic

Other Personnel

Kati Lundgren
Global Skills Village Coordinator

Janne Kosonen
Trainee

Helsinki 2005 Advisory Committee

Tuula Haatainen	Chairman of the Committee, Minister of Education and Science
Markku Linna	Vice Chairman of the Committee, Permanent Secretary, Ministry of Education and Science

Marketta Kokkonen	Mayor, City of Espoo
Timo Lankinen	Government Counsellor, Ministry of Education and Science, President of the Skills Finland Executive Board, WorldSkills Official Delegate
Pekka Alanen	Deputy Managing Director, Association of Finnish Local and Regional Authorities
Kirsi Lindroos	Director General, National Board of Education
Eija Alhojärvi	Executive Director, Skills Finland, WorldSkills 2005 Secretary General
Mikko Mäenpää	Chairman, the Finnish Confederation of Salaried Employees, STTK
Leif Fagernäs	Director General, Confederation of Finnish Industries, EK
Risto Piekka	Chairman, The Confederation of Unions for Academic Professionals in Finland, AKAVA
Olli-Pekka Heinonen	Director of TV Operations, Finnish Broadcasting Company YLE
Aulis Pitkälä	Deputy Mayor, the City of Vantaa
Veijo Hintsanen	President, Häme Polytechnic, WorldSkills Technical Delegate
Jukka Sarjala	Professor
Matti Huutola	Vice President, The Central Organisation of Finnish Trade Unions, SAK
Eva-Riitta Siitonen	Lord Mayor, the City of Helsinki
Jussi Järventaus	Managing Director, The Federation of Finnish Enterprises
Christoffer Taxell	Minister
Erkki Kangasniemi	Chairman, Trade Union of Education in Finland, OAJ
Markku Wallin	Permanent Secretary, Ministry of Labour
Pentti Kivinen	Managing Director, The Finnish Fair Corporation
Erkki Virtanen	Permanent Secretary, Ministry of Trade and Industry

Skills Finland Executive Board

Timo Lankinen	President of the Board, Government Counsellor, Ministry of Education and Science, WorldSkills Official Delegate
Kirsi Lindroos	Vice President of the Board, Director General, National Board of Education
Reetta Kuosmanen	Youth Secretary, Service Union United, PAM
Martti Pallari	Director, The Federation of Finnish Enterprises
Marita Aho	Representative, Industrial and Business Educational Institutions
Pekka Aittoniemi	Vocational Headmasters
Heikki Sederlöf	Executive Director, AIKE Group
Pirjo Elo	Chairperson, Vocational Education Financial Directors
Saana Siekkinen	Education Policy Adviser, The Central Organisation of Finnish Trade Unions SAK
Aslak Haarahiltunen	Youth Secretary, The Finnish Metalworkers' Union
Liisa Souri	Director, Trade Union of Education in Finland, OAJ
Kimmo Harra	Manager, OKKA Foundation
Petri Lempinen	Education Advisor, the Finnish Confederation of Salaried Employees, STTK.

Tarja Tuominen	Senior Advisor, Educational Affairs, Employers' Confederation of Service Industries
Veijo Hintsanen	President, Häme Polytechnic, WorldSkills Technical Delegate
Heikki Yli-Olli	Director, Educational Municipal Federation of the Kalajokilaakso Region
Ossi Jalonen	Representative, The Finnish Central Organisation for Motor Trades and Repairs
Ville Wallin	Secretary General, SAKKI
Anneli Kangasvieri	Unit Manager, Association of Finnish Local and Regional Authorities

Workshop Supervisors

1	Polymechanics/Automation	Mikko	Hauninen
3	Manufacturing Team Challenge	Sakari	Järvenpää
4	Mechatronics	Markku	Lähetkangas
5	Mech. Eng. CADD	Jorma	Lehtimäki
6	CNC Machining	Tomi	Nieminen
9	IT/Software Applications	Harri	Hautala
10	Welding	Seppo	Paloluoma
12	Wall & Floor Tiling	Esa	Perho
13	Autobody Repair	Pentti	Ruotsalainen
15	Plumbing	Sauli	Jaara
16	Industrial Electronics	Jari	Mansikkaviita
17	Web Design	Henri	Fagerholm
18	Electrical Installations	Juha	Sihvo
19	Industrial Control	Arto	Hongisto
20	Bricklaying	Raimo	Aatsinki
21	Stonemasonry	Ari	Hurskainen
22	Painting & Decorating	Sari	Larsen
24	Cabinetmaking	Helena	Suomala
25	Joinery	Timo	Poskela
26	Carpentry	Leo	Leinonen
27	Jewellery	Pekka	Koponen
28	Floristry	Kirsi	Vesalainen
29	Ladies' & Men's Hairdressing	Greta	Kauria
30	Beauty Therapy	Outi	Tukki
31	Ladies' Dressmaking	Sari	Lehtonen
32	Confectioner/Pastry Cook	Hanna	Oinonen
33	Automobile Technology	Hannu	Pajari
34	Cooking	Simo	Kangas
35	Restaurant Service	Marja	Hemmi
36	Car Painting	Hannu	Kesti
37	Landscape Gardening	Katriina	Lahtinen
38	Refrigeration	Jari	Haavisto
39	IT PC / Network Support	Mika	Vilpo
40	Graphic Design Technology	Marko	Kaplas
D43	Telecommunication Distribution Technology	Heikki	Pietarinen
D44	Printing	Ari	Halme
D46	Sheet-Construction Steelwork	Pekka	Suominen
D47	Tinsmith	Jari	Mustikkamaa
D48	Transport Technology	Jani	Viitasaari

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