

English Supplement

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*Unravelling
the mysteries of climate change*

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Happy Helsinki Week Page 9

Young couples in love celebrating Labour Day, daredevils in a twirling carousel, market vendors behind their stands... In 1968 photographer **Claire Aho** participated in a Nordic photography exhibition in Kiel, Germany with her images of Helsinki.

These photographs, which feature surprising compositions and offer fascinating depictions of the era, are now being exhibited in Finland for the first time.

Claire Aho, born 1925 in Helsinki and now living in Stockholm, is the grand old lady of Finnish photography with a huge amount of portraits, posters, fashion plates and artistic photos. She is also a pioneer of Finnish documentary film like her father **Heikki Aho** and her uncle **Björn Soldan**.

Claire Aho is the granddaughter of author **Juhani Aho** (earlier Brofeldt) and **Venny Soldan-Brofeldt** (1863–1945), one of the leading women painters of her time.

Juhani Aho (1861–1921) was a journalist and the first Finnish professional writer, best known Finnish author in Scandinavia in his own time, who specialized in short stories called "lastuja" (splinters).



Claire Aho

Claire Aho's Helsinki in 1968

Although Juhani Aho chose his subjects from Finnish folk life, his works were far from provincial. They reflected consciously modern literary movements, especially realism, which

is seen in his first novel *Rautatie* (Railway) from the year 1884. Aho also translated to Finnish such writers as **Kielland**, **Daudet**, **Lagerlöf**, **Hugo**, and **Maeterlinck**.

Exhibition in the Virka Gallery 4.6.–5.9. Helsinki City Hall lobby, Pohjoisesplanadi 11–13
Opening hours: Mon–Fri 9–19
Sat–Sun 11–17.



At the forefront of geosciences: *Unravelling mysteries of climate change*

By Johanna Lemola

Markku Kulmala is at the helm of world-leading research on aerosols and their influence on climate change.

Professor **Markku Kulmala** agrees with the legendary fictional detective Nero Wolfe in one ambition: never leave your home to conduct an investigation.

Dr Kulmala would prefer to stay securely at his home base to conduct his “investigation”, research on aerosols. This year, he has to make a compromise, having accepted a visiting professorship in environmental science at Stockholm University by invitation of the King of Sweden.

Home base to Dr Kulmala has been the Department of Physics at the University of Helsinki for his entire 26-year career. This career has taken him and his team to the top of the world in atmospheric science.



FRONT PAGE

Mari Hottari

No. 3 on the world ranking list

Professor Kulmala's team at the Department of Physics' Division of Atmospheric Sciences – designated by the Academy of Finland as a Centre of Excellence – studies aerosols and the interactions between the biosphere and the atmosphere.

The findings of the team bear direct relevance to the understanding of climate change. While greenhouse gases heat the atmosphere, aerosols exert a cooling influence by reflecting solar radiation back to space and by forming clouds, thereby slowing down climate change.

"In order to determine the mechanism involved, we need comprehensive understanding of how aerosol particles are formed and how they behave", Dr Kulmala explains.

In this work, his team leads the world. Dr Kulmala's personal record bears witness: he is currently the world's third most quoted researcher in geosciences. He registers more than 10,000 citations in scientific publications over his career and has published some 500 articles himself. His team is alone responsible for approximately ten per cent of all articles

originating from Finland published in the respected *Science* magazine.

The makings of success

The reasons for the team's success are many.

The Division of Atmospheric Sciences at the University of Helsinki is the pioneer in field measurements. The Division has run stations for measuring ecosystem-atmosphere relationships for close to 20 years and produced continuous records for 15 years. The Hyytiälä measuring sta-

What are aerosols?

Aerosols are airborne fine solid particles or liquid droplets – technically suspensions of them in a gas. They are created by industrial or traffic emissions, desert sandstorms and the biosphere, among other factors. Examples are smoke, air pollution and oceanic haze. In general, non-scientific usage, *aerosol* usually has a different meaning and refers to an aerosol spray from a can.

tion, founded by Dr Kulmala and colleagues in 1995, has an extensive range of measurement capabilities, from atmospheric and irradiation to soil-water measurements.

"Hyytiälä has produced the longest unbroken records from field measurements in the world", Dr Kulmala says. "These records enable us to formulate a clear view of how the atmosphere, trees, moss and soil all play together."

A key factor in the success of the team is its multidisciplinary base of research. The team works in close cooperation with the University's chemists, biologists and forest researchers. The Finnish Meteorological Institute is on the same Kumpula campus with the rest (only forest research is in the nearby Viikki campus). The close physical proximity translates into easy and close collaboration. "There is no other unit in this field as versatile as we are", Dr Kulmala affirms.

The team's scope is also the widest in the world, ranging from micro-scale to global scale – from nanocluster models to integrated Earth system models ending up with predictions on a worldwide scale.





University of Helsinki:

In the top league among the world's research universities

The University of Helsinki is the biggest university in Finland. It is a multi-disciplinary university with 11 faculties and four campuses.

The student body numbers 35,000. The staff numbers 8,000 including 3,800 in research and teaching positions. Each year, the university confers some 470 doctoral degrees, and its researchers publish nearly 10,000 scientific articles.

The University of Helsinki is among the 10-15 best multi-disciplinary research-intensive universities in Europe and among the 100 best in the world. This achievement puts the university in the top 0.1 per cent globally.

The League of European Research Universities (LERU) represents Europe's best research-intensive universities. The University of Helsinki is one of the 22 current members of LERU. The university has been a LERU member ever since the first members were selected in 2003, ranking fifth in that year.

The Academy of Finland has designated 39 Finnish research units as centres of excellence. Out of them, 26 operate within the University of Helsinki or include University of Helsinki researchers.

The university was founded in Turku in 1640 and moved to Helsinki in 1827.

Science fiction or a distinct possibility?

Knowing that aerosols cool the atmosphere, could they be manipulated to fight climate change?

"First, we should treat such geo-engineering with utmost precaution, because we could go horribly wrong. But, keeping that in mind, we seek to have the knowledge of what could be done in case of emergency."

Such an emergency could emerge if, for example, the permafrost suddenly melted, resulting in the release of massive amounts of methane (a powerful greenhouse gas) into the atmosphere.

Looking into the future

Predicting the progress of climate change is difficult, but one thing seems certain: "There is nothing in view that would take away our top ranking in aerosol research", Dr Kulmala says.

Without making any predictions, it seems fitting that Dr Kulmala has spent much of his time this year in very close proximity to the Royal Swedish Academy, the awardee of the Nobel Prize in Physics and Chemistry.

University glossary

English	<i>Finnish</i>
University	<i>yliopisto</i>
Research	<i>tutkimus</i>
Multi-disciplinary	<i>monitieteinen</i>
Faculty	<i>tiedekunta</i>
Campus	<i>kampus</i>
Student	<i>opiskelija</i>
Staff	<i>henkilökunta</i>
Doctoral degree	<i>tohtorin arvo</i>
Scientific	<i>tieteellinen</i>
Climate change	<i>ilmastonmuutos</i>
Academy of Finland	<i>Suomen Akatemia</i>

New directions at Helsinki Zoo

"I'm lucky to have been able to study the world's natural environment on a broad basis", says **Jukka Salo**, the new director of the Helsinki Zoo in Korkeasaari.



The zoo was founded on the rocky island in 1889. The island, a favourite among families and tourists, welcomes more than half a million visitors each year.

Dr Salo, age 52, is a professor from the city of Pori in western Finland. His main interest throughout his career has been biodiversity (the diversity of life forms). He has served at the helm of many environmental organizations and worked abroad for years.

He benefits from his international background and networks, because zoos worldwide co-operate widely in animal acquisitions, protection of endangered species and returning animals to nature.

Helsinki Zoo is home to many endangered species, including “big cats” from the Amur region and both Blue-throated and Hyacinth Macaws from the Amazon. The zoo enhances the protection of these, and many other species, in their natural environments with the help of zoo visitors, corporations and various organizations.

“We can offer good conditions for animals from northern climates. For example, Amur leopards can live and

breed here. The Amur leopard suffers in its natural environment and will probably die out in a couple of decades”, Dr Salo points out.

“The African elephant would not manage here very well, and we have not acquired any so far,” he continues. “But new techniques can make it possible for us to have elephants one day. Our partners in Africa send us live images of these magnificent giants of the savanna.”

“Korkeasaari will be strongly developed as part of Eastern Helsinki’s

urban development and new traffic connections”, Dr Salo says, commenting on the zoo’s future. An ideas competition was organized on the zoo some years ago. New plans are aimed at increasing the wellbeing of animals, improving visitor facilities and upgrading services especially in winter.

Opening hours:
May–August 10–20

Note: Ticket sales close one hour before the zoo closing time.



The whole world on one island

The Helsinki Zoo in Korkeasaari allows visitors to travel from tundra to rainforest and from foreign mountain tops to domestic wetlands. The 150 animal species and almost 1,000 plant species truly reveal the diversity of nature. The Korkeasaari island is located close to the city centre. It is accessible through the Mustikkamaa recreational area all year round. In summer, the island is served by a ferry boat from the Kauppatori Market Square and Hakaniemi. The Pukki Restaurant and Safari Café are open every day of the year when the zoo is open.

The Info Bank web service, co-ordinated by the City of Helsinki's Cultural Office, provides information on Finland in 15 languages. Info Bank is now developed with the help of a jury consisting of 15 foreign-born users.

Info Bank at www.infopankki.fi is intended for immigrants in Finland, people planning to move to Finland, and authorities working with immigrants or immigration-related questions.

The contents are categorized according to 11 themes, including employment and starting a business, Finnish and Swedish languages, and education. Information is available at three levels: national, regional and local. The most popular pages are those in Finnish, Arabic, Turkish, Persian, English and Russian. The rest of the 15 languages are Swedish, Estonian, Somali, Serbo-Croatian, French, Spanish, Albanian, Chinese and Kurdish.

The members of the jury represent various backgrounds: there is an ethnically Finnish person from Russia, a refugee, a family member of an asylum seeker, an academic researcher,

Users develop Info Bank



Päivi Anonien

*Henni Ahvenlampi
co-ordinates
the jury's work.*

a spouse, a student, an immigrant who has moved to Finland to look for employment, a person planning to move to Finland, and a Finn moving back to Finland from abroad.

"Our experiences from this joint effort to improve user-friendliness are excellent. It is optimal for everybody that the service is developed by those for whom it is intended", says **Henni Ahvenlampi**, a web service planner who co-ordinates the jury's work.

The jury members were recruited last summer with multi-lingual ads, and one hundred people applied. The jury meets four times a year. In the interim, the members work through the social media to carry out tasks and, if they so wish, assist in communicating about Info Bank in various connections.

"The jury members are not volunteers. They are paid regular City of Helsinki expert-advisor fees", Ahvenlampi says.

Info Bank brochures are available free of charge and can be ordered at infopankki@hel.fi.

More: www.infopankki.fi and
www.facebook.com/infopankki

Happy Helsinki Day!



Helsinki Day celebrates the city's birthday on Saturday, June 12. Everyone is invited to participate in the various events of the day, starting with the Mayor's morning coffee in the City Hall inner courtyard.

Helsinki Samba Carnaval

This year the Samba Carnaval celebrates its 20th anniversary. The festival spreads carnival spirit and music for the entire weekend on 11–12 June

12 June at 12 the Samba parade gathers and performs in the Senate Square, and at 15 the parade departs from the square.

Helsinki Bike Show

At 11–16, Railway Square

Admire the finest custom motorbikes in Finland at this ride-in exhibition in Railway Square. Further information: www.helsinkibikeshow.fi

See you in Esplanade Park

Enjoy events throughout Helsinki Day on the Espia Stage and along the Esplanade Park.

Traditional Helsinki Day handicrafts market and Helsinki Day design market.

Dive in for a swim!

In honour of Helsinki Day the following swimming halls are offering free admission throughout the day: Itäkeskus, Pirkkola, Swimming Stadium, Kumpula, Kallio, Kontula, Malmi, Mäkelänrinne, Siltamäki, Töölö and Vuosaari.

Summer dancing and tango lessons by "We love Helsinki"

At 9–16, Korjaamo Culture Factory

Dance to old Finnish hits. Guests are invited to dress up in traditional fash-

ion. A tango instructor is on hand at the start of the evening to show you the steps. Tickets in advance from Tiketti 8 € (available from 3 May) or 10 € from the door.

Finnish folk dancing at Seurasaari

Enjoy Finnish folk dancing and music performed by bands from throughout Greater Helsinki. Visitors are also invited to part in the dancing and enjoy a picnic! Antin aukio, from 14 hrs.

Free admission to the Seurasaari Open-Air Museum 11 through 17. Take bus 24 from Erottaja.

Kontula Shopping Centre Festival

At 14–18 (Metro: Kontula)

This year the programme includes even more events at several locations, including Kontulatalo, Wanha Posti and Kontulan Lähiöasema. Performances in the Kontula metro stations begin at 2pm and include: Sirkus Helsinki, Mikko Perkola, Il Terzetto di Luca Cannavò and Honey B. & T-Bones.

Enjoy Helsinki Week!

Helsinki Week on 3-20 June offers a variety of events before, during and after Helsinki's birthday.

Guard's Band festival

3-6 June, Suomenlinna maritime fortress

Finland's oldest professional orchestra presents the nation's military music culture figurative marches.

Café Ehrensvärd in Sederholm House

7-13 June, at 11-18, Aleksanterinkatu 18

Delicious pastries based on the original recipes from the 18th century – in honour of the 300th anniversary of the birth of Augustin Ehrensvärd, the man who built the Suomenlinna maritime fortress.

Senate Square, Turkuun concert

11 June at 19-21.30

All the performances in this concert are related in some way to the City of Turku. The Aino Choir presents the music of Ressu Redford and Neon 2,

and other performers include the Riku Niemi Orchestra, Turku Konehuone and Tommi Läntinen. The music of the classic Turku duo Matti & Teppo will also be heard.

European Capitals of Culture 2011 visit Helsinki

11-13 June, Senate Square

The 2011 European Capitals of Culture Turku and Tallinn will present their programmes at Senate Square on 11 and 13 June. Helsinki had its year as European Cultural Capital 10 years ago in 2000.

Tallinn Day

13 June at 11-17

Fun family events are on offer at Senate Square, including dancing, music, highlights from musicals and youth circus performances. At the Culinary Circus leading chefs from Tallinn, Turku and Helsinki present their recipes and samples of their dishes.



Les Lumières

14-20 June

Les Lumières, cultural festival of the Enlightenment, offers music and philosophy in different venues in Helsinki and Suomenlinna.

For more information about Helsinki Day and Helsinki Week see www.helsinkiviikko.fi

Changes to the programme are possible. Free admission to events, unless otherwise stated.



Concept for *The Shaman's Haven of the Kalevala*. Students of the Spirit of Place/Spirit of Design program.

The students and professors of the Spirit of Place/Spirit of Design program in a charrette at the Finnish Embassy in Washington, DC, January 2010

Final model of *The Shaman's Haven of the Kalevala*. Students of the Spirit of Place/Spirit of Design program.

FRONT PAGE

Shaman's haven of the Kalevala

Helsinki will witness the culmination of a prominent architectural and academic program in late August 2010, as American architect **Travis Price** leads an international group of students to build a poetic evocation of the Finnish national epic *Kalevala*. *The Shaman's Haven of the Kalevala* is to be built on the southern tip of the Seurasaari Island.

The project is the latest chapter in a design-build expedition program known as Spirit of Place/Spirit of

Design (SPSD), which for 15 years has led architecture students to create meaningful monuments that echo and celebrate the most ancient cultural lyrics of a place by means of modern design. The program, headed by Price at The Catholic University of America in Washington, DC, has so far designed and built projects around the world from the mountains of Machu Picchu to the rugged west coast of Ireland and to the sacred sites of Nepal.

The goal of the Spirit of Place/Spirit of Design program is to explore the design and construction of architectural forms that successfully respond to natural and cultural settings in a contemporary language of design. Environmental stewardship and cul-

tural heritage preservation in distant landscapes continues to guide the methodology of research and design. The program's overriding objective is to foster a method for design education that engages the most deeply resonant qualities of culture and the specificity of place.

In Helsinki, Spirit of Place/Spirit of Design will blend imagery of the Finnish cultural heritage with realities of a modern-day, competitive information society. On a pristine natural site at water's edge on Seurasaari, a museum island that honors Finnish history with buildings from past centuries, *The Shaman's Haven of the Kalevala* will overlook Helsinki's newest concentration of business and 21st century technology across the bay in Ruoholahti.

The team of students and local artisans will build *The Shaman's Haven of the Kalevala* over nine intensive days of construction out of Finnish wood, glass and stainless steel. They will construct a small building, approximately 15' x 40' (5m x 13m) with foundations bolted on granite boulders. The building will function as a "think tank," a meeting place for reflection and creative dialogue.

The dedication ceremonies, on August 26th, will launch Helsinki Design Week 2010 and coincide with the Helsinki Festival, the largest annual event on the Finnish cultural calendar.

www.SpiritofPlace-Design.com



Information Services for non-Europeans

FINFO services are for anyone who has moved to Finland from a non-European country, as well as for those professionals who in some capacity assist people who are new to Finland, such as teachers, healthcare professionals or immigration advisors. The primary language is **English**, but FINFO also provides e-mail and phone services in **Russian, Arabic, French and Finnish**.

FINFO advice line: 0207 40 11 60
open Tue–Fri 10–15 (standard call rates apply)
languages: English, French, Arabic, Finnish (10–15) and Russian (12–15)

FINFO email advice: finfo@finfonet.fi (or via this website by clicking "Contact FINFO")
languages: English, French, Arabic, Russian, Finnish
Replies within 2–3 working days

FINFO service portal for professionals (in Finnish)
FINFO services are being developed and tested as a part of a three-year project "Welmig", funded by the European Fund for the Integration of Third-Country Nationals and RAY, and administered by Väestöliitto ry. For more information about the project, please visit <http://www.vaestoliitto.fi/monikulttuurisuus/hankeet/welmig-hanke/>

Helsinki Helpers bring information on the streets

This summer tourists will again be served on the streets and in the parks of the city by Helsinki Helpers. Their season begins on Helsinki Day, 12 June and continues until 29 August. 28 Helsinki Helpers will patrol the city daily from 9 hrs to 18 hrs. Visitors are served in a total of 10 languages. The Tourist & Convention Bureau's popular Helsinki Helpers served last year over 92,000 customers, of whom over 80 per cent were foreign visitors.

Helsinki Helpers will be accompanied in and around the Market Square by Helppi, the friendly mascot of Helsinki's family tourism campaign. A new information pavilion will open at the Market Square in July, where Helsinki Helpers will be on hand throughout the summer to assist tourists. The mobile information pavilion will also be tried at several other locations during the summer.

Helsinki Info is a printed newspaper published by the City of Helsinki and distributed to all Helsinki households six times a year.

Helsinki Info's English Supplement resembles the main publication in format but is published online on the City Website, also six times a year.

Next issue 20.9.2010

Publisher: City of Helsinki
www.hel.fi

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Graphic design: Guassi Oy

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Info kit

Information for all residents

Virka Info telephone service (09) 310 11111 (Mon-Fri 9–15) and **information point** in the City Hall lobby, address Pohjoisesplanadi 11–13 (Mon–Fri 9–19, Sat–Sun 11–17). www.virka.fi

Info Bank is an online service aimed at immigrants, offering information on Finnish society and life in Finland in 15 languages. The website also contains local information on Helsinki. www.infopankki.fi