

## Summerschool „Colouring the Future“

September, 22nd – 23rd 2016  
University of Tuebingen, Alte Physik and Kupferbau

Colour is an outstanding feature of our visual world, and serves multiple purposes, ranging from the simple enhancement of image contrast, to object detection and recognition, communication, signalling and navigation.

The aim of the international Summerschool „**Colouring the Future**“ is to introduce the participants to the diverse aspects of the topic „Colour“. The Summerschool will focus 1) on human colour perception, and its neuronal foundations in the brain, including the cognitive influences and the development of colour preferences; 2) the representation of colour in the visual systems of animals; and 3) on applied aspects of colour, such as the impact of colour in the modern media (movies, animations, webdesign), illustrating outstanding examples of the artistic use and communicative expression through colour.

Participants will also take part in the conference „**Colour in Mind**“ and attend the conference keynotes and expert talks addressing the main topics of the Summerschool. This will offer the opportunity „to mingle“ and get in contact with senior researchers and other professionals working in applied colour science.

The Summerschool addresses primarily young academics (PhDs, Postdocs, graduate students) working in the field of neuroscience, medicine, informatics, media sciences or any other research area related to colour. PhD students and Postdocs are encouraged to present their own work in a talk (15 min) or a poster. For application and further information see **Talks and Posters** below.

### **New! HECTOR FELLOW ACADEMY SPEAKERS AWARD**

A prestigious award for the best presentation (Talk or Poster) at the Conferences „Colour in Mind“ and the connected Summerschool „Colouring the Future“ has been offered by the Hector Fellow Academy to young scientists, covering research in the field of colour perception, colour processing in visual systems and/or colour technology.

The winner will receive a certificate and a prize money of EUR 1500, and the winning presentation will be published on the conference website.

Eligible are young researchers, i.e. 39 years or younger, who do not held a permanent position. Applicants should send their CV to [annette.werner@uni-tuebingen.de](mailto:annette.werner@uni-tuebingen.de)  
**Deadline for the application is 20.9.2016.**

For updated information about the Summerschool as well as the conference „Colour in Mind“ please go to the conference website <http://www.farbe-im-kopf.de>, and click on [Summerschool](#).

### **Venue**

The Summerschool is hosted by the University of Tübingen and will take place in the „Alte Physik“, which is a building next to the main conference hall („Kupferbau“).

## Panels and Topics

The Summerschool is organized into four panels, each addressing one of the following topics:

1. Colour perception and its neural foundations
2. Colour preferences and trends: origins and models
3. The biological significance of colour: animal colour vision and communication
4. Presentation and effects of colour in art, film and animation

Each panel will start with a brief introduction to the topic by a senior scientist, followed by two invited talks and two talks from young researchers (for application see **Talks and Posters**). In addition, posters will be presented in the main conference hall.

## Program

### 22<sup>nd</sup> September

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|---------------|---|
| 8.30 - 9.00   | Registration (@ conference venue)   |
| 9.00 - 10.00  | Welcome (@ conference venue)  |
| 10.00 - 11.00 | <b>KEYNOTE 1: Karl Gegenfurtner („Mechanisms of colour perception“)</b>   |
| 11.00 - 11.30 | Coffee break  |
| 11.30 - 12.30 | <b>Panel A/Part 1: Colour perception and its neural foundations</b><br>conference talks: Cortical colour processes (B. Conway, A. Bartels)  |
| 12.30 - 13.30 | Lunch break   |
| 13.30 - 15.00 | <b>Panel A/Part 2: Colour perception and its neural foundations</b><br>Talks and discussions by participants  |
| 15.00 - 15.30 | Coffee break  |
| 15.30 - 16.30 | <b>Panel B/Part 1: Biological significance of colour: colour vision and communication in the animal kingdom</b><br>Conference talks: colour pathways in mammals and insects (K. Arikawa, T. Euler): |
| 17.30 - 18.30 | <b>KEYNOTE 2: Almut Kelber („Animal colour vision“)</b>   |
| 18.30 - 20.00 | <b>Panel B/Part 2: Biological significance of colour: colour vision and communication in the animal kingdom</b> Talks and discussions by participants.  |

### 23<sup>rd</sup> September

|               |  |
|---------------|--|
| 9.00 - 10.00  | <b>KEYNOTE 3: Anna Franklin („Origins of colour preferences“)</b>  |
| 10.00 - 10.30 | Coffee break   |
| 10.30 - 11.30 | <b>Panel C/Part 1: Colour preferences: origins and models</b><br>Conference talks: Colour in the Japanese culture (K. Yokosawa, R. Horres) |
| 11.30 - 11.45 | Coffee break   |
| 11.45 - 13.15 | <b>KEYNOTE 4: Kirsten Thompson („Disney animation and the wonderful world of colour) and Karl-Miescher Film Award</b>                      |
| 13.15 - 14.15 | Lunch break  |

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|---------------|--|
| 14.15 - 15.45 | <b>Panel C/Part 2: Colour preferences: origins and models</b><br>Talks and discussions by participants           |
| 15.45 - 16.15 | Coffee break   |
| 16.15 - 17.15 | <b>Panel D: Display and effect of colour in art, film and animation</b><br>Talks and discussions by participants |
| 17.15 - 17.30 | Coffee break   |
| 17.30 - 18.30 | <b>KEYNOTE 5: Anya Hurlbert („The colour of paintings in a contemporary light“)</b>                              |
| 18.30 - 19.00 | <b>Final discussion: Future directions in colour research</b><br><b>Good Bye</b>                                 |

### **Registration – New! Deadline September 20<sup>th</sup> !**

Registration for the Summerschool is free, but you will have to pay a reduced fee for your participation in the accompanying conference **Colour in Mind** (25 €; payment onsite). This will give you access to the keynotes and the conference talks related to the topics of the Summerschool.

For registration, please send an email to [colour@medizin.uni-tuebingen.de](mailto:colour@medizin.uni-tuebingen.de), stating your name, title, and affiliation; if you would like to present your own work, please indicate your preference (talk or poster); if applicable, send in an abstract with a brief description of your work (see below).

### **Talks and Posters**

#### **Abstracts – New! Deadline September 15<sup>th</sup> !**

Participants will have the opportunity to present and discuss their own work at the Summerschool. For each panel, two applications will be selected for oral presentation as talks (a 15 min); in addition, 20 posters will be allocated. Abstracts (posters and talks) must be related to one of the four panel topics.

To apply for a talk or poster, please send your abstract by email to [colour@medizin.uni-tuebingen.de](mailto:colour@medizin.uni-tuebingen.de) by August 15<sup>th</sup>. Please state your preferred form of presentation (talks or poster) and the panel you wish to contribute to. Abstracts will be posted on the conference website. Please follow instructions as given on the [abstract template](#). Note that the abstract will be printed as sent in – please make sure that everything is correct!

### **Accommodation**

For accommodation please go to the conference website <http://www.colour-im-kopf>. Reservations for the Youthhostel can also be made through there (no membership is necessary).

The Summerschool „Colouring the Future“ is funded by the **Zukunftskonzept Universität Tübingen**.

### **Organisation and contact**

For further questions or information, please contact us via mail [colour@medizin.uni-tuebingen.de](mailto:colour@medizin.uni-tuebingen.de)

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