

# Conference program Friday 29.04.2005

## Theatersaal

9:00 plenary session:  
 9:45 opening by prime minister Kurt Beck  
 greeting Dr. Eva Lohse, mayor Ludwigshafen  
 greeting Dr. Eckart Würzner, Heidelberg  
 greeting Axel Henkel, Hessian ministry of economics  
 Prof. Eberhard Jochem: energy efficiency as a component of a sustainable development

10:30 Dr. Wolfgang Feist: Attractivity of energy efficiency - why better solutions never can be "too good"

11:15 collective fair visitation

12:30 lunch break

14:00 parallel meeting Block A

task group I: Technology of Passive Houses in existing buildings

14:00 Redevelopment of the multiple dwelling "Blaue Heimat" in Heidelberg Martin Ufheil  
 14:20 KfW 40 redeveloping with indoor insulation Carsten Bisanz  
 14:40 conversion of a motorcar varnish garage in a housing estate Ludwig Rongen  
 15:00 Redevelopment terraced house in München-Harlaching Florian Lichtblau  
 15:20 Passive House Technology in existing buildings - from vision to realisation Bernd Steinmüller

16:00 coffee break

16:30 parallel meeting Block B

task group V: "won't work" - does not exist! - redevelopment 2

16:30 "won't work" - does not exist! - Integration of ventilation in old building modernisation Rainer Pfluger  
 16:50 barn as dwelling house Stefan Oehler  
 17:10 Modernisation with components of passive houses: Presentation of the basic conditions in Hannover "Factor 10 program" and the current stand of 8 projects Matthias von Oesen  
 17:30 The eza!-house - operation experiences of a redeveloped building with technology of a passive house Martin Sambale, Jochen Schurr  
 17:50 workshop report: Passive House vs EnEV-Standard André Zaman

19:00 shipping on the river Rhine with dinner

## Kammersaal

task group II: architecture enters the standard of Passive Houses

creative cost management - activates the market for the Passive House Rainfried Rudolf  
 Passive House construction in multiple dwellings in Austria Martin Treberspurg  
 Redeveloping "EXPOST" in Bozen in standard of passive houses Michael Tribus  
 building development "Rebgässli" Allschwil (CH) Crispin Amrein  
 Architecture and Passive House Heinz-Christian Plöderl

task group VI: Passive House-non residential building: from kindergarden to office building

a Kindergarden as Passive House Thomas Claußen  
 Kindergarden Dohna, a solid building with ecological overall concept (building report) Olaf Reiter, Günther Rentsch  
 design of a primary school in passive house construction Axel Bretzke  
 nursing home of the union of the blind with increased requirements in the standard of passive houses Carsten Grobe

## Saal Pasadena

task group III: sustainable financing for energy efficient building

The Passive House - state of development Berthold Kaufmann  
 Financing for sustainability - challenges and strategies Are Rødsjø  
 financing advantages for sustainable construction through the UmweltBank (environment bank) Günter Engelhard  
 panel discussion

task group VII: fresh air in the Passive House

survey dwelling ventilation Carsten Dittmar  
 Analysis of hygienic and ecologic facets of dwelling ventilation Werner Hässig  
 Quality of air on controlled ventilation in school-forms. Measurement results of the new elementary school Hermagor Ernst Heiduk  
 frequently established defects in dwelling ventilation systems and solution proposals Eberhard Paul  
 facets of the airflow balance in dwelling ventilation appliance Rolf-Peter Strauß

## Saal Dessau

task group IV: compact building services engineering for Passive Houses

ventilation compact device - current stand of enhancement Andreas Bühring  
 compact device - a technology at the crossroad Christof Drexel  
 Development of a compact device gas operated Carsten Petersdorff  
 push of innovation for biomass: the Pellet stove - compact device Rolf-Peter Strauß

task group VIII: result of the latest research

Enquiries on a modellroom on thermal comfort Wolfgang Nowak  
 Dynamic attitude of heating systems in the passive house Jürgen Schnieders  
 Thermal comfort in summer in office buildings with passive cooling Jens Pfafferott  
 room acoustics in buildings with air-condition Detlef Hennings  
 air tightness of the building cover - durability of adhesion Wilfried Walthert

# Conference program Saturday 30.04.2005

plenary session:

|   |                        |
|---|------------------------|
| 8:30 Building standard of the future? The Passive House in the historical comparison                        | Peter Holzer           |
| 9:00 Passive House and 2000-Watt-Society - What are the challenges of a sustainable development             | Mark Zimmermann        |
| 9:30 Revitalisation of urban district - Energetic and architectonic development of a residential estate     | Walter Braun           |
| 10:00 Energetic building development with factor 10 – cost effectiveness and strategies for the realisation | Burkhard Schulze Darup |

10:30 parallel meeting Block C

task group X: Factor 10 in redevelopment - result of a measurement

|   |                        |
|---|------------------------|
| 10:30 Energetic redevelopment of a building with factor 10 – project results: Jean-Paul-Platz 4 in Nürnberg | Burkhard Schulze Darup |
|---|------------------------|

|   |                   |
|---|-------------------|
| 10:50 Analysis of the lifecycle of passive houses | Cornelia Moosmann |
|---|-------------------|

|   |                |
|---|----------------|
| 11:10 Eco-efficient redevelopment of a 'Plattenbau' to standard of Passive Houses | Hartmut Hübner |
|---|----------------|

|   |               |
|---|---------------|
| 11:30 Modernisation Brunnenviertel: result of "3-Liter-House" | Nicole Weyand |
|---|---------------|

|  |                |
|--|----------------|
| 11:50 The Passive House in the areal of Thiepval | Ulrich Rochard |
|--|----------------|

Application of passive house components in refurbishment of houses under monumental protection

Michael Ratzlaff

12:30 lunch break

14:00 parallel meeting Block D

task group XV: Passive House-non residential building II

|  |             |
|--|-------------|
| 14:00 general planning in Passive House construction | Fritz Oettl |
|--|-------------|

|   |                                  |
|---|----------------------------------|
| 14:20 Passive House in extreme position (2154m sea level) | Wilhelm Hofbauer und Marie Rezac |
|---|----------------------------------|

|   |               |
|---|---------------|
| 14:40 Where is the difference. Habitation and Industry as Passive House | Martin Zimmer |
|---|---------------|

|  |                |
|--|----------------|
| 15:00 The ChristophorusHaus - Monitoring results of the first year in operation of the Passive House - Office- and administration building | Christian Fink |
|--|----------------|

|   |             |
|---|-------------|
| 15:20 architectural student competitions to the passive house standard - field report | Udo Scherer |
|---|-------------|

task group XI: Passive House - Building Covering

|   |                                    |
|---|------------------------------------|
| Multiple dwelling - Passive House (46 WE) with regenerative heating, with heated atrium | Carsten Bisanz, Christine Hausmann |
|---|------------------------------------|

|   |             |
|---|-------------|
| Passive house with orientation to the north. Analysis of the measurement attendant of a multiple dwelling-PH in Frankfurt | Sören Peper |
|---|-------------|

|   |                   |
|---|-------------------|
| Realised Straw-Clay-precast-Passive House | Georg W. Reinberg |
|---|-------------------|

|  |             |
|--|-------------|
| Clay building as Passive House. From a niche produkt to a industrial building system | Josef Seidl |
|--|-------------|

|   |            |
|---|------------|
| The passive house-building cover –essential influencing variables and their effects | Oliver Kah |
|---|------------|

task group XIII: comfort is in the center

|  |   |
|--|---|
| survey of residences before – afterwards on two modernisations of factor 10 comfort in the clima.comfort.house | Matthias von Oesen, Werner Hackermüller |
|--|---|

|  |             |
|--|-------------|
| report: passive house of timber beside a railway line: good thermal protection and good noise protection under one roof, passive house in Düsseldorf | Gerrit Horn |
|--|-------------|

|   |                |
|---|----------------|
| The Passive House - a quite normal house! Informations to a multiple dwelling - passive house in Saarland | Michael Mahler |
|---|----------------|

|   |                            |
|---|----------------------------|
| CO2-autarkic Passive Houses with Ökostrom | Josef Werum, Folkmar Rasch |
|---|----------------------------|

task group IX: good product for hard times

|   |             |
|---|-------------|
| to conquer the market with the passive house - good product for bad times | Gerrit Horn |
|---|-------------|

|   |                |
|---|----------------|
| MINERGIE-P®- swiss counterpart to Passive House | Larissa Wenger |
|---|----------------|

|                                  |                        |
|----------------------------------|------------------------|
| Support of passive houses in NRW | Andrea Berndgen-Kaiser |
|----------------------------------|------------------------|

|  |                  |
|--|------------------|
| networks for energie efficient building, shown on the E2A (EnergieEffizienzAgentur Rhein-Neckar-Dreieck gGmbH) | Albrecht Göhring |
|--|------------------|

|  |              |
|--|--------------|
| Internet - data base for instruction material and produkt sample | Peter Holzer |
|--|--------------|

|  |                    |
|--|--------------------|
| new ways for the marketing of passive houses | Cornelis Rasmussen |
|--|--------------------|

task group XIV: innovation of building services engineering

|   |                    |
|---|--------------------|
| Novel Ground Thermal Probe for Passive Houses with Static Additional Option         | Armin Amann        |
| Development of a ground thermal CO2 probe without pump, not groundwater endangering | Carmen Stadtländer |

|   |              |
|---|--------------|
| Comparison of different methods of calculation on a passive house | Michael Graf |
|---|--------------|

|  |                  |
|--|------------------|
| Heat load calculation procedur in comparison | Thomas Kirtschig |
|--|------------------|

|                           |                |
|---------------------------|----------------|
| SOL4 a projekt of success | Klaus Kiessler |
|---------------------------|----------------|

task group XII: Passive Houses International I

|  |                       |
|--|-----------------------|
| Energy saving and costs in low energy houses from 13 countries | Anne Gunnarshaug Lien |
|--|-----------------------|

|  |                 |
|--|-----------------|
| From Low Energie - to Passive House. Stand of the Projects in Norway | Michael Klinski |
|--|-----------------|

|                                   |               |
|-----------------------------------|---------------|
| Passive House projects in Belgium | Erwin Mlecnik |
|-----------------------------------|---------------|

|   |                |
|---|----------------|
| A Passive House for disabled children in South Afrika | Oskar Pankratz |
|---|----------------|

|   |                |
|---|----------------|
| Passive houses in DK and in the building code | Sören Pedersen |
|---|----------------|

Arbeitsgruppe XVI: Passive Houses International II

|   |               |
|---|---------------|
| Terrace houses in Gothenburg – the first passive houses in Sweden | Maria Wall    |
| Passive buildings in Polish climate conditions                    | Szymon Firlag |

|  |                    |
|--|--------------------|
| The Ecological Construction Laboratory:Strategies for Passive House Implementation in the US | Katrin Klingenberg |
|--|--------------------|

|  |              |
|--|--------------|
| Components for Passive Houses in Low Energie Houses - experiences of Czechia | Jan Tywoniak |
|--|--------------|

|   |            |
|---|------------|
| Passive Facade Technology In The Extreme Moderate Climate | Keonho Lee |
|---|------------|

16:00 coffee break

plenary session:

16:30 Time journey through the solar architecture Robert  
Hastings

17:00 Substance decides - progress in service of Dr. Wolfgang  
people Feist

17:30 End of event