

**INTERNATIONAL ARCHITECTURAL COMPETITION UIA-ARES  
Renewable energy sources and bioclimatic architecture for shells, to  
shelter people affected by natural disasters.**

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**JUDGEMENT PROCEDURE**

**ATHENS, 21-24 SEPTEMBER 2007**

**THE PROCEDURE MINUTES**

Friday 21<sup>st</sup> of September 2007 Jury Members had a meeting in the Conference Room of the Technical Chamber of Greece for the Judgement procedure.

In the beginning, Mr. Manolis Drakakis, Vice President of Technical Chamber of Greece has addressed a welcome speech underlining the importance of this international competition and the major challenges of sheltering victims of natural disasters.

Mr Nikos Fintikakis, Director of UIA-ARES Work Programme, has presented a summary report of the Press conferece, wich has been organised by the Technical Chamber of Greece (TCG) to announce the Judgement procedure, as also all persons presented in the opening meeting (Jury & Technical Committees members, and represenatives of Directorate of Internaional & Europeen Relations of TCG).

Mrs Liza Siola, President of the Hellenic Section of UIA welcomed Jury members underling the significance of the competition for UIA and for TCG.

**TECHNICAL COMMITTEE REPORT:** This report was presented by the members of the Technical Committee (T.C.): Mrs Margarita Karavasili, Mr Kyriakos Pipinis, Mrs Terpsi Kremali & Mr Aris Ktoridis, with the support of Mrs Barbara Savvidi, secretary attached to the Competition.

**PRESENT JURY MEMBERS (21-09-07)**

Belavilas Nikos(Greece), Farrando Jordi (Spain), Fintikakis Nikos (Greece), Hegger Manfred(Germany), Ius GianCarlo (Italy), Komut Emine (Turkey), Mutiso Reuben (Kenya), Siola Liza (Greece), Tochtermann Wolf (Germany): 9 members present. Mr Patricia Patkau (Canada) joined the Jury in the afternoon.

**ABSENT JURY MEMBERS (21-09-07)**

Takis Georgakopoulos (Greece) was unable to attend the Jury due to health reasons.

The Jury has agreed to continue with 9 members present.

**JURY MEMBERS (22-09-07)**

Belavilas Nikos, Farrando Jordi, Fintikakis Nikos, Hegger Manfred, Ius GianCarlo, Komut Emine, Mutiso Reuben, Patkau Patricia, Siola Liza, Tochtermann Wolf.  
(Takis Georgakopoulos contitued to be ill)

All members of the Jury thanked the Technical Chamber of Greece for the initiative to organize an important International Architectural Competition and underlined the excellent work done by the Technical Committee and the organizers.

They also pointed out that this is the first international competition organized by a UIA Work Programme with a wide international participation.

The Jury decided that the members of the Technical Committee will be present during all sessions (without having the right to vote) and will prepare the minutes of all sessions.

### ELECTION OF JURY PRESIDENT

**Nikos Fintikakis** has proposed Wolf Tochtermann to be President of the Jury.

**Wolf Tochtermann** accepted and was elected in unanimity by the Jury Members.

### PREVIEW OF ENTRIES

At the beginning the T.C. members reported on problems identified in some entries and made relevant recommendations to the Jury. Such problems concerned entries No 502, 513, 523, 525, 555, 557 and 567.

After a first and rapid presentation of all entries with a short introduction of T.C. members concerning the main characteristics of each of them, the Jury decided to disqualify entry 503 for the following reasons:

No PIN number given as required

No identification and acceptance forms given as required.

Entries 513, 523, 525, 555, 557 and 567 (some of which were presented on 5 instead of 6 panels, others did not include a separate written statement) were accepted and were judged according to the criteria set out by the Jury.

### JUDGEMENT CRITERIA

Subsequently and before entering the 1<sup>st</sup> round of reviewing the projects submitted, the Jury discussed and established the following criteria:

1. Architectural Quality: Appropriateness, climate, landscape (bioclimatic architecture); Quality of design;
2. Maximum use of RES for energy autonomous settlements; innovation, technology;
3. Quality of social and human life – Habitability; urban layout, combination of units, infrastructure;
4. Ecological Quality: Local materials; possibility of reuse; environmental adaptation; water; waste;
5. Emergency effectiveness following the disaster: Transportability, logistics, buildability;
6. Cost-effectiveness

### JUDGEMENT PROCEDURE

The 1<sup>st</sup> judgement phase was completed by the presentation of all entries, one by one, panel by panel. The members of the jury have scored all qualified entries ranking them from 0 to 10.

The ranking of the 1<sup>st</sup> phase was:

| Results of 1st phase   |     |    |  |    |     |      |
|------------------------|-----|----|--|----|-----|------|
| total points out of 90 |     |    |  |    |     |      |
| 1                      | 510 | 68 |  | 34 | 518 | 52.5 |
| 2                      | 520 | 68 |  | 35 | 512 | 52   |
| 3                      | 506 | 66 |  | 36 | 527 | 52   |
| 4                      | 564 | 65 |  | 37 | 544 | 52   |
| 5                      | 539 | 64 |  | 38 | 547 | 52   |
| 6                      | 508 | 62 |  | 39 | 554 | 52   |

|    |            |      |  |    |            |      |  |  |
|----|------------|------|--|----|------------|------|--|--|
| 7  | <b>545</b> | 61   |  | 40 | <b>540</b> | 51.5 |  |  |
| 8  | <b>565</b> | 61   |  | 41 | <b>542</b> | 51   |  |  |
| 9  | <b>501</b> | 60.5 |  | 42 | <b>551</b> | 51   |  |  |
| 10 | <b>530</b> | 58   |  | 43 | <b>552</b> | 50.5 |  |  |
| 11 | <b>536</b> | 58   |  | 44 | <b>556</b> | 50   |  |  |
| 12 | <b>511</b> | 57.5 |  | 45 | <b>558</b> | 50   |  |  |
| 13 | <b>505</b> | 57   |  | 46 | <b>524</b> | 49   |  |  |
| 14 | <b>507</b> | 57   |  | 47 | <b>513</b> | 48   |  |  |
| 15 | <b>509</b> | 57   |  | 48 | <b>529</b> | 48   |  |  |
| 16 | <b>519</b> | 57   |  | 49 | <b>533</b> | 48   |  |  |
| 17 | <b>523</b> | 57   |  | 50 | <b>557</b> | 47.5 |  |  |
| 18 | <b>504</b> | 55   |  | 51 | <b>522</b> | 47   |  |  |
| 19 | <b>535</b> | 55   |  | 52 | <b>537</b> | 46   |  |  |
| 20 | <b>541</b> | 55   |  | 53 | <b>517</b> | 45   |  |  |
| 21 | <b>560</b> | 55   |  | 54 | <b>534</b> | 45   |  |  |
| 22 | <b>550</b> | 54.5 |  | 55 | <b>514</b> | 43.5 |  |  |
| 23 | <b>521</b> | 54   |  | 56 | <b>532</b> | 43   |  |  |
| 24 | <b>538</b> | 54   |  | 57 | <b>525</b> | 42   |  |  |
| 25 | <b>543</b> | 54   |  | 58 | <b>567</b> | 42   |  |  |
| 26 | <b>546</b> | 54   |  | 59 | <b>562</b> | 41   |  |  |
| 27 | <b>559</b> | 54   |  | 60 | <b>531</b> | 39   |  |  |
| 28 | <b>515</b> | 53   |  | 61 | <b>549</b> | 39   |  |  |
| 29 | <b>516</b> | 53   |  | 62 | <b>553</b> | 39   |  |  |
| 30 | <b>528</b> | 53   |  | 63 | <b>526</b> | 35   |  |  |
| 31 | <b>548</b> | 53   |  | 64 | <b>502</b> | 33   |  |  |
| 32 | <b>561</b> | 53   |  | 65 | <b>555</b> | 33   |  |  |
| 33 | <b>566</b> | 53   |  | 66 | <b>563</b> | 31   |  |  |

Jury members had a long discussion on the entries, especially on those having received a score lower than 45 votes, and they have proceeded in a second voting before starting the 2<sup>nd</sup> phase (round).

After that, 42 entries have been selected to be introduced in the second Phase (round), which are the following: 510, 520, 506, 564, 539, 508, 545, 565, 501, 530, 536, 511, 505, 507, 509, 519, 523, 504, 535, 541, 560, 550, 521, 538, 543, 546, 559, 515, 516, 528, 548, 561, 566, 518, 512, 544, 542, 551, 556, 513, 529, 557.

At the second phase the Jury members voted by YES or NO in order to follow-up to the 3<sup>rd</sup> phase as appears bellow:

| Results of 2 <sup>nd</sup> phase |            |   |  |    |            |   |
|----------------------------------|------------|---|--|----|------------|---|
| YES OR NO Vote                   |            |   |  |    |            |   |
| 1                                | <b>510</b> | 9 |  | 34 | <b>518</b> | 2 |
| 2                                | <b>520</b> | 4 |  | 35 | <b>512</b> | 0 |
| 3                                | <b>506</b> | 7 |  | 36 | <b>544</b> | 2 |
| 4                                | <b>564</b> | 7 |  | 37 | <b>542</b> | 0 |
| 5                                | <b>539</b> | 3 |  | 38 | <b>551</b> | 0 |

|    |     |   |  |    |     |   |
|----|-----|---|--|----|-----|---|
| 6  | 508 | 8 |  | 39 | 556 | 1 |
| 7  | 545 | 6 |  | 40 | 513 | 0 |
| 8  | 565 | 9 |  | 41 | 529 | 0 |
| 9  | 501 | 7 |  | 42 | 557 | 0 |
| 10 | 530 | 6 |  | 43 |     |   |
| 11 | 536 | 4 |  | 44 |     |   |
| 12 | 511 | 7 |  | 45 |     |   |
| 13 | 505 | 0 |  | 46 |     |   |
| 14 | 507 | 6 |  | 47 |     |   |
| 15 | 509 | 3 |  | 48 |     |   |
| 16 | 519 | 8 |  | 49 |     |   |
| 17 | 523 | 8 |  | 50 |     |   |
| 18 | 504 | 3 |  | 51 |     |   |
| 19 | 535 | 1 |  | 52 |     |   |
| 20 | 541 | 7 |  | 53 |     |   |
| 21 | 560 | 0 |  | 54 |     |   |
| 22 | 550 | 2 |  | 55 |     |   |
| 23 | 521 | 3 |  | 56 |     |   |
| 24 | 538 | 0 |  | 57 |     |   |
| 25 | 543 | 6 |  | 58 |     |   |
| 26 | 546 | 7 |  | 59 |     |   |
| 27 | 559 | 0 |  | 60 |     |   |
| 28 | 515 | 0 |  | 61 |     |   |
| 29 | 516 | 0 |  | 62 |     |   |
| 30 | 528 | 4 |  | 63 |     |   |
| 31 | 548 | 0 |  | 64 |     |   |
| 32 | 561 | 4 |  | 65 |     |   |
| 33 | 566 | 0 |  | 66 |     |   |

After that, 15 entries reached the majority of votes: 510, 506, 564, 508, 545, 565, 501, 530, 511, 507, 519, 523, 541, 543, 546

The Jury reviewed the rejected entries and decided to accept four (4) entries after extensive discussions. These are: 520, 536, 509, 504

In conclusion 19 entries qualified for the 3<sup>rd</sup> phase, which have been reprojected for further judgement and discussion.

Every Jury member made a selection of 8 out of the 19 entries and the results were:

| Results of 3 <sup>rd</sup> phase |     |   |  |    |  |  |
|----------------------------------|-----|---|--|----|--|--|
| YES or NO Vote / number of YES   |     |   |  |    |  |  |
| 1                                | 510 | 6 |  | 34 |  |  |
| 2                                | 520 | 2 |  | 35 |  |  |
| 3                                | 506 | 5 |  | 36 |  |  |
| 4                                | 564 | 7 |  | 37 |  |  |
| 5                                | 508 | 9 |  | 38 |  |  |

|    |     |   |  |    |  |  |
|----|-----|---|--|----|--|--|
| 6  | 545 | 2 |  | 39 |  |  |
| 7  | 565 | 9 |  | 40 |  |  |
| 8  | 501 | 3 |  | 41 |  |  |
| 9  | 536 | 4 |  | 42 |  |  |
| 10 | 511 | 7 |  | 43 |  |  |
| 11 | 507 | 3 |  | 44 |  |  |
| 12 | 509 | 1 |  | 45 |  |  |
| 13 | 519 | 4 |  | 46 |  |  |
| 14 | 523 | 3 |  | 47 |  |  |
| 15 | 504 | 2 |  | 48 |  |  |
| 16 | 541 | 4 |  | 49 |  |  |
| 17 | 543 | 3 |  | 50 |  |  |
| 18 | 546 | 2 |  | 51 |  |  |
| 19 | 530 | 6 |  | 52 |  |  |
| 20 |     |   |  | 53 |  |  |
| 21 |     |   |  | 54 |  |  |
| 22 |     |   |  | 55 |  |  |
| 23 |     |   |  | 56 |  |  |
| 24 |     |   |  | 57 |  |  |
| 25 |     |   |  | 58 |  |  |
| 26 |     |   |  | 59 |  |  |
| 27 |     |   |  | 60 |  |  |
| 28 |     |   |  | 61 |  |  |
| 29 |     |   |  | 62 |  |  |
| 30 |     |   |  | 63 |  |  |
| 31 |     |   |  | 64 |  |  |
| 32 |     |   |  | 65 |  |  |

After that, Jury members have ranked by number of votes the 19 entries, as following:

508, 565: 9 votes  
511, 564: 7  
510: 6  
506: 5  
541, 536, 519: 4  
501, 543, 507, 523: 3  
545, 504, 546, 520: 2  
509, 530: 1

The Jury reviewed again the 19 projects both on screen and hardcopies, and design descriptions and entered the final voting by ranking the three (3) Prizes, the five (5) mentions and possible special mentions, as follows:

**A. PRIZES**

**FIRST PRIZE:                   Entry 508**  
**SECOND PRIZE:               Entry 519**  
**THIRD PRIZE:                 Entry 565**

**B. HONORABLE MENTIONS**

**ENTRIES:                     543**  
**510**  
**506**  
**511**  
**541**

**C. SPECIAL MENTIONS WITHOUT REMUNARATION**

**ENTRIES:                     523**  
**536**

The President of the Jury opened the sealed envelopes, containing the Identification Form, the PIN and the names of the Team members.

The winning projects are corresponding to the following PIN:

**PRIZES**

**■ JLS2547   FIRST PRIZE (Entry 508) 20.000 EUROS**

Architects: JOAO M. BARBOSA MENEZES DE SEQUEIRA  
ANA CARINA BERNARDO FIGUEIREDO  
MARTA JOAO PIMENTA MOREIRA  
PEDRO MIGUEL FERNANDES FERREIRA  
L I S B O N - P O R T U G A L

**■ SWA5371               SECOND PRIZE (Entry 519) 15.000 EUROS**

Architects: BAUER BENNO  
WEIDMANN SVEN  
S T U T T G A R T - G E R M A N Y

**■ GPG1001   THIRD PRIZE (Entry 565) 10.000 EUROS**

Architects : RICHARD JONES  
ANNE BROCKELMAN  
MARC PERRAS  
RYAN SENKIER  
YUTAKA SHO  
B O S T O N - U S A

## HONORABLE MENTIONS

**KITO512** ENTRY 543 5.000 EUROS

Architects: TOUZANI SIRINE  
FERRAN YUSTA GARCIA  
LE NIZAN - FRANCE

**CAT0819** ENTRY 541 5.000 EUROS

Architects: FRANCESCA THIEBAT  
ANDREA VEGLIA  
BENEDETTA VEGLIA  
JACOPO TESTA  
LUCA ROCCA  
CAMILLO BOANDO  
SILA GIRIFTINOGLU  
TORINO - ITALY

**PDU3201** ENTRY 506 5.000 EUROS

Architects: HERBERT KUEHNLEIN  
STEFFI KUEHNLEIN  
STACY WYMAN  
ERIKA MORGAN  
NURNBERG - GERMANY

**CNK1922** ENTRY 510 5.000 EUROS

Architects: VYZOVITI SOFIA  
ADILENIDOU YOTA  
MICHOS STERGIOS  
KARGA VALENTINA  
CHRONAKI MYRTO  
MANOS STRATOS  
KARANASTASI ELINA  
THESSALONIKI - GREECE

**LIW1999** ENTRY 511 5.000 EUROS

Architects: KAKAVAS SPYROS  
GIANNISSIS DIMITRIS  
KLONIZAKI HELENI  
STAMATAKI KOSTANTI  
CHATZINIKOLAOU P.  
ATHENS - GREECE

## SPECIAL MENTIONS WITHOUT REMUNERATION

**ECO1946** ENTRY 523

Architects: MAURICE CLARKE – ECOLOGGIA ARCHITECTS  
St ALBANS - UK

**DAR7884** ENTRY 536

Architects: DEMET MUTMAN  
ALEXANDRE MUSSCHE  
BURSA - TURKEY / SURESNES - BELGIUM

## **JURY COMMENTS ON REWARDED PROJECTS**

### **The first prize - JLS2547 (508)**

This proposal satisfies the majority of the criteria set by the Jury. It provides a meaningful and interesting approach to the problem with satisfactory functionality, flexibility and adaptability. The project possesses evident architectural quality while proposing a maximum use of renewable energy sources. The project is designed for the city of Safi in Morocco.

The prefabricated, expandable units offer a universal solution to different emergency situations and climatic regions. The energy autonomous units can be made easily available in emergency situations and can be combined to form community infrastructure: reception center, community center, school, and medical center.

### **The second prize - SWA5371 (519)**

This project offers a simple, easily constructed solution to shelter. It is highly efficient in material use and effectively adapts to local climatic conditions. This bioclimatic architecture is economical and easily transportable to affected sites. The units open to encourage community and social engagement. The simplicity of this proposal is qualitatively experienced in its architecture. It also provides very interesting cost effectiveness. The project is situated in Gujarat, India.

### **The third prize - GPG1001 (565)**

This project proposes a very interesting disaster preparedness strategy for major urban centers. It overlays disaster support and environmental infrastructure on the ubiquitous city parking lots associated with large retail structures. The proposed infrastructure makes good use of innovative RES technologies. Parking lot sites are identified along ring roads providing emergency access during disaster. This is a proposal that addresses possible flooding in Boston, Massachusetts, but it is a strategy which could also have application in developed urban situations worldwide.

## **HONORABLE MENTIONS**

**LIW1999 (511):** This project is most adaptable to industrialized countries as it proposes a solution of rather sophisticated technology. The modular, industrialized solution offers a pleasant visual atmosphere. Bioclimatic aspects and renewable energy systems are architecturally integrated. The units allow for quick installation and easy transportation. This project is situated in central and southern Europe.

**CAT0819 (541):** This proposal combines both high-tech and low-tech approaches. While the pre-fabricated high-tech units will be shipped to the site for community use, the easy-to-assemble housing units are flexible, temporary shelters made from simple, locally available materials. The scheme provides affordable renewable energy and clean potable water. This project is situated on the Atlantic coast of Nicaragua.

**KITO512 (543):** This project makes intelligent use of debris after earthquakes incorporating the debris into the walls of temporary structures. It is easy for local people to build and has a good relationship between local materials and those



brought into the emergency area. The traditional courtyard typology provides familiar space for community and social interaction. The project suggests a quality of timelessness and calm in the face of disruption and disaster. The project is situated in south Morocco.

**PDU3201 (506):** This project is based on a prototype unit which can expand. It offers the possibility of growing according to the occupants needs. The solution offers flexibility, architectural quality (creating a very pleasant atmosphere), the possibility of creating different social spaces and a good integration of RES. It uses quite inexpensive industrialized materials and innovative technology. The project is situated in Florida, USA.

**CNK1922 (510):** This project creates a sensitive interior atmosphere, and provides a feeling of security for affected people. The project is energy efficient, recyclable and extendible. It is easy to transfer and to assemble. The proposed structure is an innovative prototype for a pleated paper structure which acts as instant shelter. The project is situated in Thessalonica, Greece.

### **SPECIAL MENTIONS**

**ECO1946 (523):** The project offers an appropriate local solution providing shelter forms which are adaptable to local culture, climate and environment. At the urban level, units are gathered together in multiples resulting in convivial village community. This project is located in Southern Africa.

**DAR7884 (536):** This project suggests a social approach to disaster response. It encourages communities to support dislocated persons "in place". It also encourages ideas of sharing at critical times while responding to the need of people to stay near their homes. This project is situated in Bosnia Herzegovina.

**LIST OF PARTICIPANTS BY PIN AND CODES**

| <b>PIN</b> | <b>CODE</b> |  |  |  |
|------------|-------------|--|--|--|
| AKA07001   | 501         |  |  |  |
| OKA2007    | 502         |  |  |  |
| 100CASIO   | 503         |  |  |  |
| AIM1979    | 504         |  |  |  |
| MAM2425    | 505         |  |  |  |
| PDU3201    | 506         |  |  |  |
| AAA1248    | 507         |  |  |  |
| JLS2547    | 508         |  |  |  |
| NKN2910    | 509         |  |  |  |
| CNK1922    | 510         |  |  |  |
| LIW1999    | 511         |  |  |  |
| AFI0579    | 512         |  |  |  |
| ARM4518    | 513         |  |  |  |
| AAE1577    | 514         |  |  |  |
| CAD0810    | 515         |  |  |  |
| MTB0607    | 516         |  |  |  |
| KEZ8681    | 517         |  |  |  |
| MEB3010    | 518         |  |  |  |
| SWA5371    | 519         |  |  |  |
| SID1836    | 520         |  |  |  |
| RBB2406    | 521         |  |  |  |
| KDC2002    | 522         |  |  |  |
| ECO1946    | 523         |  |  |  |
| APZ6839    | 524         |  |  |  |
| KENO2212   | 525         |  |  |  |
| MMK1975    | 526         |  |  |  |
| ERA1095    | 527         |  |  |  |
| THH2007    | 528         |  |  |  |
| CCV1688    | 529         |  |  |  |
| TUT9876    | 530         |  |  |  |
| BCA4268    | 531         |  |  |  |
| SEF1123    | 532         |  |  |  |
| MAW7817    | 533         |  |  |  |
| DFP1234    | 534         |  |  |  |
| LIA2007    | 535         |  |  |  |
| DAR7884    | 536         |  |  |  |
| MAP8613    | 537         |  |  |  |
| SHE1133    | 538         |  |  |  |
| BA2003     | 539         |  |  |  |
| PDU0007    | 540         |  |  |  |
| CAT0819    | 541         |  |  |  |
| DDU2007    | 542         |  |  |  |
| KIT0512    | 543         |  |  |  |
| KY0103     | 544         |  |  |  |
| HAU6889    | 545         |  |  |  |
| HLP2010    | 546         |  |  |  |
| KAL2468    | 547         |  |  |  |

|         |     |  |  |  |
|---------|-----|--|--|--|
| AA01701 | 548 |  |  |  |
| MNW2007 | 549 |  |  |  |
| PIP2232 | 550 |  |  |  |
| LOC1519 | 551 |  |  |  |
| VAL4321 | 552 |  |  |  |
| VFV9077 | 553 |  |  |  |
| BCS6118 | 554 |  |  |  |
| BEC2304 | 555 |  |  |  |
| AET1324 | 556 |  |  |  |
| HJM8184 | 557 |  |  |  |
| SK6663  | 558 |  |  |  |
| MPL2606 | 559 |  |  |  |
| TGB7783 | 560 |  |  |  |
| ISH1212 | 561 |  |  |  |
| MMS2007 | 562 |  |  |  |
| MAN1542 | 563 |  |  |  |
| TGO2007 | 564 |  |  |  |
| GPG1001 | 565 |  |  |  |
| TKY0008 | 566 |  |  |  |
| AC8507  | 567 |  |  |  |

### **THE JURY MEMBERS**

Belavilas Nikos

Farrando Jordi

Fintikakis Nikos

Georgakopoulos Takis

Hegger Manfred

Ius Giancarlo

Komut Emine

Mutiso Reuben

Patkau Patricia

Siola Lisa

Tochtermann Wolf