

3RD TASK 54 EXPERTS MEETING – OCTOBER 6-7, 2016

Institut für Thermodynamik und Wärmetechnik, Pfaffenwaldring 10, 70569 Stuttgart, Germany

Meeting room: V 10.01

FINAL AGENDA

Accompanying Events:

Wednesday, October 5, 2016, 12:00 – 16:00, [KoST/TEWIsol-Information Event](#) at University of Stuttgart, Pfaffenwaldring 10, Meeting Room V10.1¹

Wednesday, October 5, 2016, 18:00, [OA and Subtask Leader Meeting](#) at Restaurant La Bruschetta

(Address: Pfaffenwaldring 62, 70569 Stuttgart (www.la-bruschetta-vaihingen.de), 5 min walk from Comundo, meeting at 17.50, Lobby Comundo)

THURSDAY, OCTOBER 6, 2016

09:00 Welcome

Welcome on behalf of ITW/TZS of University of Stuttgart and introduction of the Research and Testing Centre of Thermal Solar Systems (TZS) at the Institute of Thermodynamics and Thermal Engineering (ITW), University of Stuttgart, Germany
(**Dr. Harald Drück**)

Management Part I (Dr. Michael Köhl, Germany)

- Approval of minutes of the Florence meeting / presentation of agenda

09:15 Progress since the last meeting / short presentations of all organisations (max. 4-5 mins each) (all)

10:45 Coffee break

11:00 SUBTASK A (Dr. Michaela Meir, Norway)

Achievements with respect to Task 54 work plan (e.g. deliverables, other work)

Project A.2: Cost tool definition, life cycle costs of reference and optimized systems

- Louvet, Yoann (Uni Kassel, GER): Presentation of results by LCOH Task Force

¹ German speaking, attendance is optional for Task 54 participants.

Project A.1: Definition of solar thermal and conventional reference systems

- Fischer, Stephan: Presentation of D.A.1 “List of reference systems and their specifications”

Project A.4: Market success factors

- Mugnier, Daniel (TECSOL, FR): innovations in France on low cost monitoring using digital breakthrough.
- Meir, Michaela (Aventa, NO): Solar Heat Worldwide: Collaboration with AEE Intec: experiences and future plans
- Meir, Michaela (Aventa, NO): Planning of Input collection for **Project A.3**: Political, legal and social boundary conditions

12:30 Lunch break incl. group picture

13:30 SUBTASK B (Dr. Stephan Fischer, Germany)

Achievements with respect to Task 54 work plan (e.g. deliverables, other work)

- Short summary of TEWIsol / KoST Workshop

Project B.1: Definition of standardized components

- Discussion: what needs to be standardised? What can be standardised? etc.

Project B.2: Production costs

- Kadirgan, Figen (Selektif Teknoloji, TR): Cost Effective Roll to Roll Solar Selective Surface Production, Solar Walls (presented by Stephan Fischer)
- Motel, Oliver (ForSun Solartechnik): Continuous step welding (CSW) as alternative to laser and ultrasonic welding (presented by Stephan Fischer)

Project B.3: Installation and operation costs

- Discussion: what are the main cost drivers

Project B.4: Cost optimization of reference systems

- Koehl, Michael (Fraunhofer ISE; GER): Tool to visualize progress of cost reduction

Project B.5: New proposals for a 40% price reduction

- van Ruth, Nico (CONICO VALVES, NL): Solar thermal systems without controllers/sensors, using the Thermo-Differential Bypass Valve
- Giovannetti, Federico (ISFH): Collectors for overheating protection: recent results from R&D projects
- Rekstad, John (Aventa AS, NO): Cost picture for larger systems: On two examples with the AventaSolar concept

15:30 Coffee break

16:00 SUBTASK C (Prof. Dr. Gernot Wallner, Austria)

Achievements with respect to Task 54 work plan (e.g. deliverables, other work)

Project C.1: Identification of major cost drivers and saving potentials

- Thür, Alexander (UIBK, AUT): D C.1: Info sheet on cost reduction methods in other industries

- Schnetzinger, Karl (APC, AUT): Cost reduction in other industries - Case study impellers

Project C.2: Material substitution and functional integration

- Ramschak, Thomas (AEE INTEC, AUT): Loading conditions for integrated storage collectors

- Grabmann, Michael (JKU-IPMT, AUT): Aliphatic vs. aromatic polyamides for ICS

Project C.3: Innovative, cost efficient processes and components

- Buchinger, Robert (SUNLUMO, AUT): Components for easy-to-install solar thermal hot water systems

- Rekstad, John (Aventa AS, NO): Further development of the AventaSolar thermosiphon concept

- Ehrenwirth, Mathias (FH INGOLSTADT, GER): System test with polymeric solar thermal collectors - Recent results

18:00 End of first day

19:00 Networking dinner

Address: Brauhaus Calwer-Eck, Calwer Straße 31 in 70173 Stuttgart

<http://www.calwereck.de/index.php>

FRIDAY, OCTOBER 7, 2016

08:30 SUBTASK D (Sandrin Saile, Germany)

Achievements with respect to Task 54 work plan (e.g. deliverables, other work)

Project D.1: Industry liaison

- Saile, Sandrin (ISE; GER): D D.1 Short review of the Task 54 workshop in cooperation with ESTIF / Preparation of national dissemination workshop by Task 54 partners (month 24 / Sep 2017)

- Mugnier, Daniel (TECSOL, France): Presentation of final version of installation questionnaire, latest results and ways of exploitation

Project D.2: Dissemination and information

- Saile, Sandrin (ISE, GER):

D D.2 Task 54 Newsletter

Twitter initiative

Online tool for final results

Webinar solarthermalworld.org & presentation of costs SHWW

Publications

Website

10:00 Coffee break

10:15 Joint planning of next steps and deliverables (30mins per Subtask)

Revision of commitments and Subtask participation

Planning of work per Subtask:

- Subtask A (Michaela Meir)

- Subtask B (Stephan Fischer)

- Subtask C (Gernot Wallner)

- Subtask D (Sandrin Saile)

12:15 Wrap- up by the Operating Agent (Dr. Michael Köhl)

- Mid-term evaluation

- Next steps

- Next meetings

- Any other business

13:00 Light lunch option

14:00 End of meeting & technical tour (optional)

15:00 End of technical tour

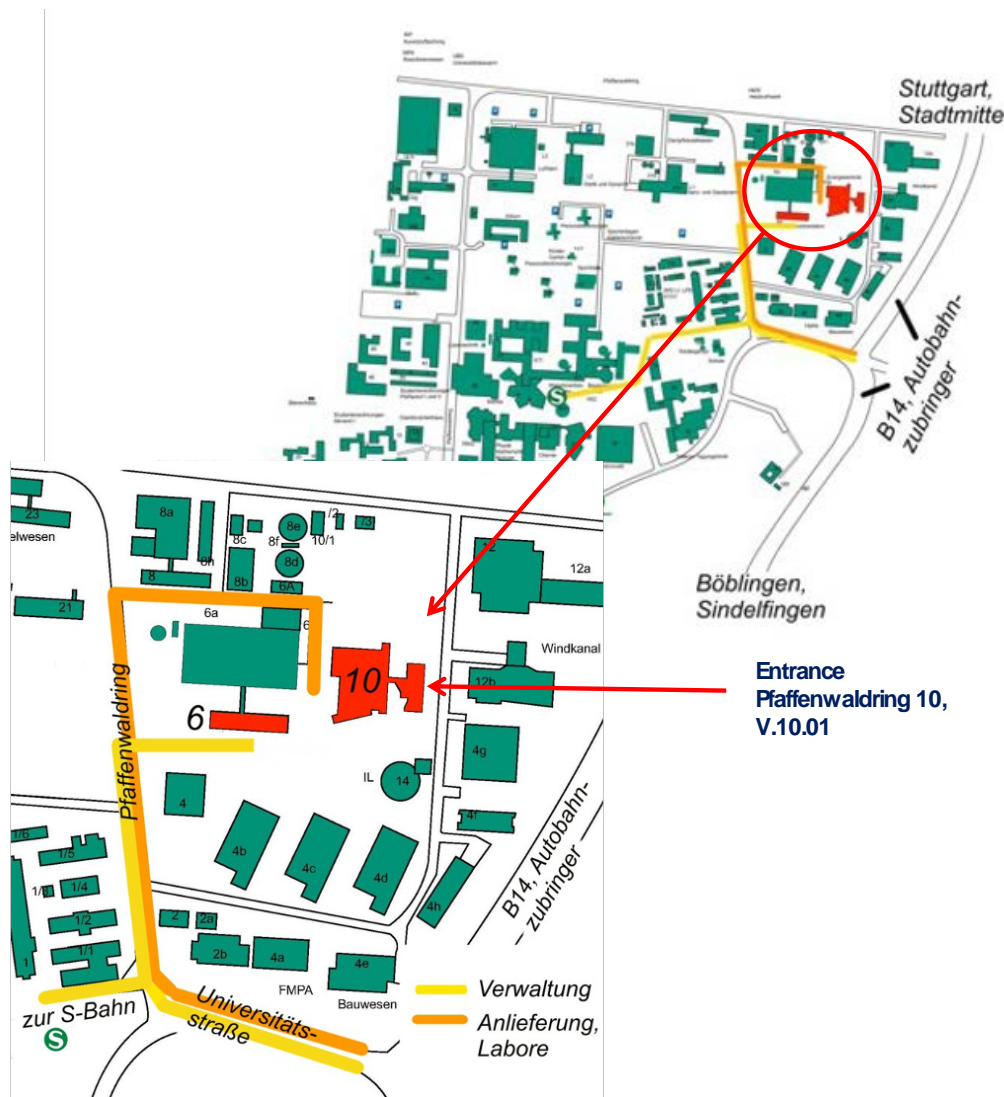
HOW TO REACH THE UNIVERSITY OF STUTTART

From the airport:

Take the S-train S3 (direction "Backnang") to the station "Universität". When getting out of the station turn into Pfaffenwaldring and look at the campus map for the location of Pfaffenwaldring 10.

From Stuttgart main station:

Take the S-train S1, S2 or S3 to the station "Universität". When getting out of the station turn into Pfaffenwaldring and look at the campus map for the location of Pfaffenwaldring 10.



DINNER LOCATION

From the S-train station “Universität” take the trains S1, S2 or S3 to “Stuttgart Stadtmitte”, walk along Lange Str. in south eastern direction towards Calwer Strasse (ca. 100 m).

