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Abstract:	This deliverable reports on the publication of the award winners in Call 3 for R&D-proposals. The management, evaluation and selection of Call 3 for R&D-proposals is reported on in Deliverable D0.4c, together with the overview of the Call 2 for Components.
Keyword list:	Photonic components, Optical components



Disclaimer

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1. Executive Summary

This deliverable reports on the publication of the award winners in Call 3 for R&D-proposals. The management, evaluation and selection of Call 3 for R&D-proposals is reported on in Deliverable D0.4c, together with the overview of the Call 2 for Components.

2. Call 3 – R&D Proposals

2.1 General Information

Call 3 for R&D Proposals opened on: 14/04/2008

Call 3 for R&D Proposals opened on: 16/05/2008

In total 12 proposals were received within the set time-frame. All of the submitted proposals, were considered as being within the scope of the Call.

In view of the sufficient number of submitted proposals, no “Back-Up Call” is applied.

2.2 Available Components (from Call 2 for Components)

In total 15 components were received in Call 2:

- One-Five: Low-Noise Femtosecond Laser
- Fastlite: Acousto-Optic Programmable Dispersive Filter (DAZZLER) for CARS time resolved vibrational spectroscopy
- Rainbow Photonics: Infrared Tunable All-Solid-State-Laser
- Conerefringent Optics: Elements for Conical Refraction
- Oxensis: High Temperature Dynamic Pressure Sensor for >1000C Applications
- Gooch & Housego (1): High power PM fibre coupled isolator
- Gooch & Housego (2): Ultra low ratio fused fibre tap
- Pirelli Labs: Photonic integrated circuits for time domain interleaving
- Oxxius: 150 to 500 mW visible DPSS lasers
- Nanovation: Growth of High Performance GaN Based LEDs on ZnO Templates
- Altechna (1): Synchronesh SISK
- Altechna (2): Laser diode driver LASCON
- Imagine Optics: Genetic Adaptive Optics
- Centre for Integrated Photonics: Components for High Speed Optical Processing
- Compound Semiconductor Technologies Global : High Speed 1550nm BH Device Platform

2.3 Back-Up Calls

In view of the sufficient number of submitted proposals, no “Back-Up Call” is applied.



3. Reviewing process Call 3 – R&D Proposals

The appointment of the members of the Evaluation Board and the overview of the reviewing process is listed in Deliverable D0.4c and is not copied here.

3.1 Submitted R&D Proposals

The submitted R&D proposals are listed below, including the component they intend to use.

ACCORD Ref. 301

ETH Zürich

A high throughput terahertz spectroscopic imaging system for security applications

Onefive GmbH

Low-Noise Femtosecond Laser

ACCORD Ref. 302

Unite Mixte Internationale

Development of GaN Based LEDs using ZnO/c-sapphire Templates

Nanovation SARL

Growth of High Performance GaN Based LEDs on ZnO Templates

ACCORD Ref. 303

Institute of General and Inorganic Chemistry. Bulgarian Academy of Sciences

Voltage induced optical activity

CONEREFRINGENT OPTICS S.L.

Elements for Conical refraction

ACCORD Ref. 304

Institute for Photonic Technology Jena and Friedrich-Schiller University Jena

Quasi-Multiplex CARS Microscopy with High Frame-Acquisition Rate

FASTLITE

Acousto-Optic Programmable Dispersive Filter (DAZZLER) for CARS time resolved vibrational spectroscopy

ACCORD Ref. 305

Universitat Autònoma de Barcelona

Some Quantum-Mechanical Aspects of Conical Diffraction

CONEREFRINGENT OPTICS S.L.

Elements for Conical refraction

ACCORD Ref. 306

To grow high quality free standing GaN and long wavelength 540-560 nm light emitting diodes using ZnO buffer layer.

Nanovation SARL

Growth of High Performance GaN Based LEDs on ZnO Templates

**ACCORD Ref. 307**

Technical University of Catalonia
Sub-diffraction-limited imaging by filtered conerefracted beam
CONEREFRINGENT OPTICS S.L.
Elements for Conical refraction

ACCORD Ref. 308

CNIT
Integrated time domain optical interleaver for photonic-based full-digital radar receiver
Pirelli Labs
Photonic integrated circuits for time domain interleaving

ACCORD Ref. 309

Universität Duisburg- Essen
Tunable Laser for Free Space Optical RF Modulation
Rainbow Photonics AG
Infrared Tunable All-Solid-State-Laser

ACCORD Ref. 310

University of Dundee
Resonator modes in the presence of passive element for conical refraction
CONEREFRINGENT OPTICS S.L.
Elements for Conical refraction

ACCORD Ref. 311

Philipps-Universität Marburg
Single-beam nonlinear Raman spectroscopy for chemically selective microanalytics
FASTLITE
Acousto-Optic Programmable Dispersive Filter (DAZZLER) for CARS time resolved vibrational spectroscopy

ACCORD Ref. 312

Institute of Photonics, University of Strathclyde
Adaptive optics for improved resolution in optical sectioning microscopy
Imagine Optic
Genetic Adaptive Optics

3.2 Evaluation Board, Evaluation Process and Selection procedure

This part is described in detail in deliverable D0.4c “Report on Call 2 – Submitted Components – Call 3 Submitted R&D Proposals & Evaluation & Selection Process” and is not repeated here.

3.3 Back-Up Calls

In view of the sufficient number of submitted proposals, no “Back-Up Call” is applied.



3.4 Outcome of the reviewing process

On August 7th the evaluation process was closed and by August 14th a final selection was made by the ACCORD project consortium. This final selection looked specifically into the comments made by the reviewers.

During this final selection, the ACCORD consortium however did not find any reason to change the ranking made by the reviewing panel and so the top 5 proposals were selected for starting the negotiation process between component supplier and academic research group.

The cut-off at the Top 5 was mainly set by the budget limits.

- * R&D-Group: ETH Zürich
R&D Proposal No.: ACCORD - R&D - Call1-301
R&D-Proposal: A high throughput terahertz spectroscopic imaging system for security applications
Component Supplier: Onefive GmbH
Component No.: ACCORD - Call2- 001
Component Submitted: Low-Noise Femtosecond Laser

- * R&D-Group: Institute of Photonics, University of Strathclyde
R&D Proposal No.: ACCORD - R&D - Call1-312
R&D-Proposal: Adaptive optics for improved resolution in optical sectioning microscopy
Component Supplier: Imagine Optic
Component No.: ACCORD - Call2- 013
Component Submitted: Genetic Adaptive Optics

- * R&D-Group: CNIT
R&D Proposal No.: ACCORD - R&D - Call1-308
R&D-Proposal: Integrated time domain optical interleaver for photonic-based full-digital radar receiver
Component Supplier: Pirelli Labs
Component No.: ACCORD - Call2- 008
Component Submitted: Photonic integrated circuits for time domain interleaving

- * R&D-Group: University of Dundee
R&D Proposal No.: ACCORD - R&D - Call1-310
R&D-Proposal: Resonator modes in the presence of passive element for conical refraction
Component Supplier: CONEREFRINGENT OPTICS S.L.
Component No.: ACCORD - Call2- 004
Component Submitted: Elemenst for Conical Refraction



* R&D-Group:	Institute for Photonic Technology Jena and Friedrich-Schiller University Jena
R&D Proposal No.:	ACCORD - R&D - Call1-304
R&D-Proposal:	Quasi-Multiplex CARS Microscopy with High Frame- Acquisition Rate
Component Supplier:	FASTLITE
Component No.:	ACCORD - Call2- 002
Component Submitted:	Acousto-Optic Programmable Dispersive Filter (DAZZLER) for CARS time resolved vibrational spectroscopy

The argumentation behind the selection of 5 proposals is based on the assumption that a total of 11 proposals will be funded during the whole course of the ACCORD-project. In the current (and revised) planning there are 4 calls for R&D-proposals with 1 back-up call:

Call 1:	Open: 12/03/07	Close: 13/04/07
Call 1 (Back-Up):	Open: 04/06/07	Close: 06/07/07
Call 2:	Open: 22/10/07	Close: 16/11/07
Call 3:	Open: 14/04/08	Close: 16/05/08
Call 4:	Open: 16/06/08	Close: 18/07/08

Back-Up Calls are only to be issued if the number of proposals is too low at Call 1 or at Call 2. Also Call 4 will only be issued if budget allows.

A Decision on Call 4 for R&D Projects will be issued when the negotiation regarding the purchase of the Call 3 R&D Projects is finished and if budget allows.

3.5 Notification

The proposers (both selected and non-selected) were notified on August 14th about the outcome of the reviewing and final selection process. The selected proposals are listed on the ACCORD-website.



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MEMBER LOGIN

- To login please enter your Username and Password below.
- If you find that a previous login does not allow you to gain entry, please re register via the "To Register" page.

Username:

Password:

Welcome to ACCORD: Advanced Components Cooperation for Optoelectronics Research and Development

ACCORD is the Advanced Components Cooperation for Optoelectronics Research and Development - an experimental program funded under the Sixth Framework Programme of the European Union (1ST-2005-2.5.1, Photonic Components).

Beginning in September 2006 and running for 3 years, ACCORD's purpose is to:

- Purchase at marginal cost pre-competitive photonic devices from innovative European companies and put them in the hands of European researchers and students, at no net cost to the university or to the company that furnished the devices and
- Facilitate transfer of device evaluation results to potential end-users, assisting companies to access new markets and new applications.

Successful projects as a result of the 3rd Call for Research Proposals are as follows:

- ETH Zurich - Onevive GmbH: A high throughput terahertz spectroscopic imaging system for security applications;
- Institute for Photonic Technology Jena and Friedrich-Schiller University Jena - FASTLITE: Quasi-Multiplex CARS Microscopy with High Frame-Acquisition Rate;
- CNIT - Pirelli Labs: Integrated time domain optical interleaver for photonic-based full-digital radar receiver;
- University of Dundee - CONEREFRACTING OPTICS S.L.: Resonator modes in the presence of passive element for conical refraction;
- Institute of Photonics, University of Strathclyde - Imagine Optic: Adaptive optics for improved resolution in optical sectioning microscopy.

The ACCORD Partners will now approach each of the participating parties to address issues that could lead to contracts being signed.

To keep up to date with developments in the ACCORD Programme please read the latest edition of the ACCORD Newsletter, downloadable from the News page. If you register with ACCORD (via the To Register page), the latest ACCORD Newsletter will be emailed to you.

The ACCORD Partners welcome feedback from all interested parties. Please use the email address in the Contact Us page and send us your thoughts and suggestions.

University Members - to suggest photonic devices that you would like to work with, please log-in to the Member's Area and use the "Collaboration Interests" field in your Member Profile to make suggestions. You can update this field using the "To Update Member Details" page in the Member's Area.

The Third Call for Research Proposals by universities OPENED on 14 April and CLOSED on 16 May 2008.

The Second Call for Photonic Device Proposals by European companies (COSIP) on 31 March 2008. The Call resulted in 15 offerings from 13 companies. For more details please see:

- Photonic Devices page
- Newsletter No.6 in the "News" page
- "Proposal List" page in the Member's Area (after the Login).

Involvement in ACCORD is free of charge. Organisations wishing to participate are asked to register their interest and hence become a Member of the ACCORD Project by following the **To Register** link.

Registration with ACCORD allows log-in to the Member's Area of this website which includes:

- ACCORD Member List linking to Member Profiles consisting of contact, activity and collaboration goal details of Members;
- On-line submission of a Proposal to ACCORD either to provide or research a photonic device.

ACCORD is managed by a Consortium comprising Interuniversity Microelectronics Center, European Photonics Industry Consortium, Multitel, Haute Ecole Spécialisée de Suisse Occidentale, Wrocław University of Technology, Sagem Défense Sécurité, Scottish Optoelectronics Association and Perfos.

For detailed information on the European Commission's Photonics support programmes, see: http://cordis.europa.eu/fp7/ict/photonics/home_en.html

For detailed information on the European Technology Program (ETP) for Photonics - Photonics21, see: <http://www.photonics21.org>

ACCORD NEWS
2008-09-15
ACCORD Newsletter No.7
Published
2008-08-14
ACCORD Announces Results
of 3rd Research Call
2008-06-11
ACCORD Call Update
...read more

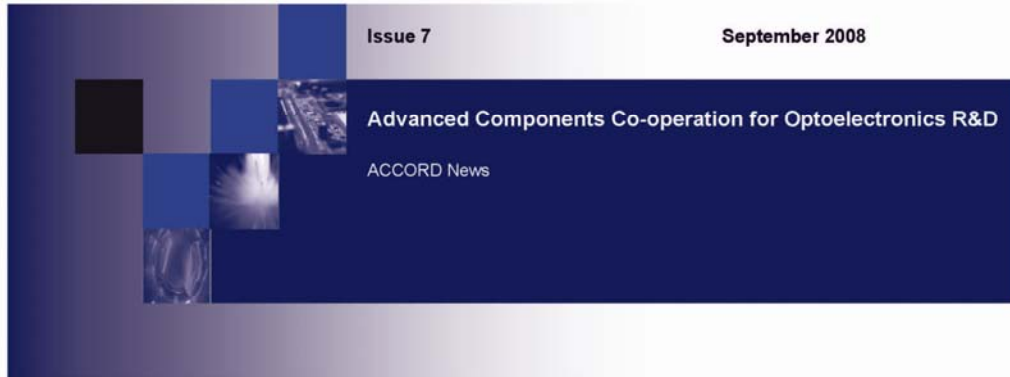
ACCORD FUTURE EVENTS
ACCORD Workshop, ECOC 2008
The Workshop will give an overview of the projects arising from the First Call for Components and the successful Research Proposals from Calls 1 and 2. It is hoped that some results will be available. For the Workshop Agenda, click on Download File. For more information on ECOC 2008 see:
<http://www.ecoc2008.org>
NEXPRESSO Networking Session at ICT 2008
[Date/Time is start of conference - NEXPRESSO is TBC] A series of networking sessions is being organised at ICT 2008. One such networking session is NEXPRESSO A Network for Exchange and Prototype Evaluation of Photonics Components and Optical systems in the Components and Systems Category. NEXPRESSO is being organised by ACCORD. Please click on Download File for more information.
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The award winners were also listed in the ACCORD Newsletter No. 7. This newsletter is submitted as Deliverable D5-3g - Newsletter 7



What is ACCORD?

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- Facilitate transfer of device evaluation results to potential end-users, assisting companies to access new markets and new applications.

Results of 3rd Call for R&D Proposals

ACCORD received 12 proposals from Universities throughout Europe offering to conduct R&D on components selected from the 3rd Call for Components.

The 3rd call for components resulted in 15 components offered by 13 companies which were recorded in the 6th newsletter (available for download from the ACCORD web site www.ist-accord.org).

The independent assessment panel reviewed the R&D proposals and 5 were successful. The ACCORD team will now approach the successful University and company partnerships in order to establishing a contract for the component deliveries and programmes of work proposed by the universities.

The successful combinations are listed below:

University	Company	Project
ETH Zurich	Onefive GmbH	Terahertz spectroscopic Imaging System for security applications
Institute of Photonics University of Strathclyde	Imagine Optic	Adaptive optics for improved resolution in sectioning microscopy
CNIT, consortium of Italian Universities	Pirelli Labs	Integrated time domain optical interleaver for radar receiver
University of Dundee	Conerefringent Optics	Resonator modes in the presence of Passive element for conical refraction
Institute for Photonic Technology & Friedrich- Schiller University Jena	Fastlite	Quasi-Multiplex CARS Microscopy



The negotiation process between component supplier and academic research group was started immediately following this decision on August 14th. This process is described in the deliverables of WP3.

4. Conclusions

This deliverable reports on the Call 3 – R&D Proposals and more specifically the outcome and the publication of the Call.

The number of submitted R&D proposals in Call 3 was sufficient to justify expectation of an acceptable level of quality. No Back-Up calls were used.

The reviewing process resulted in a selection of 5 proposals to be taken to the next round i.e. the negotiation between R&D group and component supplier.