

**Open Innovations Framework for
Partnering Industrial and Academic R&D**

Finnish-Russian University Cooperation in Telecommunications

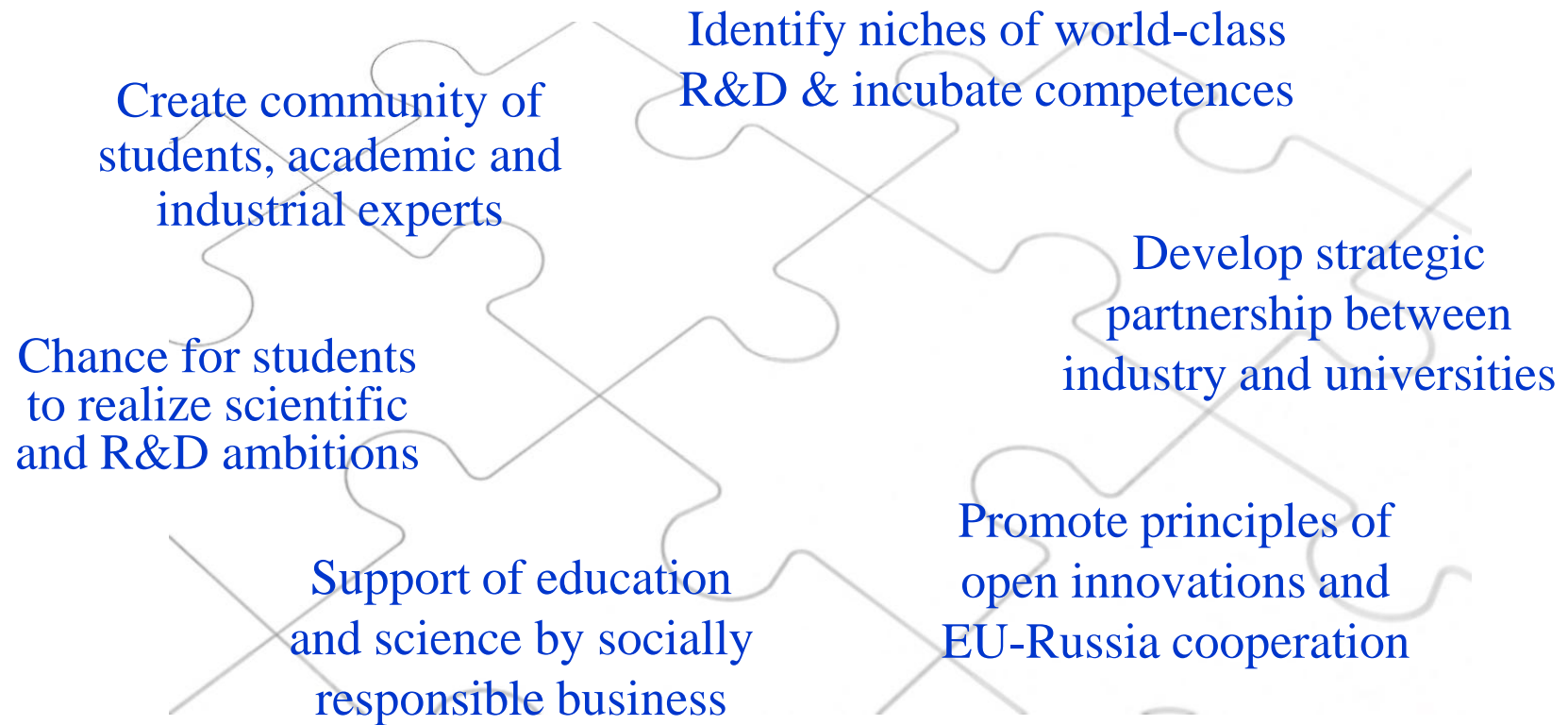


FRUCT: R&D Community and Competence Incubator

- **Open Innovations Association in Russia and North Europe**
 - Established in 2007
 - Framework for incubation industry-to-academia R&D cooperation
 - Member teams from 22 universities, plus R&D center of RAS
 - Teams are located in Russia, Finland, Denmark and Ukraine
 - Good visibility and profile of activities in Baltic region, India and Italy
 - Supported by Nokia, Nokia Siemens Networks, Intel and SMEs
 - Regional sister society of IEEE Communications Society
- **Members get new competences and expand professional network**
 - FRUCT is a sandbox for piloting cooperation and starting new activities
 - Focus on competence renewal and solving brain-drain problem
 - A number of popular open source projects, publications and awards
 - New opportunities for professional growth and business incubation
- **By joining forces create critical mass of people and activities**
 - Developing regional ecosystem around IT and mobile technologies
 - Help gaining good visibility in the media and illustrate social responsibility



Mission of Open Innovations Framework FRUCT



Main Principles

Informal and Open Community of Practice

**Face-to-face
meetings and
networking**

**Building cooperation
through student-driven
projects**

**No fees for
academic
members**



**Main focus on North-
West Russia and
Northern Europe**

**Participants from
other regions are
welcome**

**Knowledge exchange
and competence
development**

**Regular conferences
and training events**

Activities (1/2)

Renewal in Education

- ✓ Creating new courses and M.Sc. and B.Sc. programs
- ✓ Advanced training of students in R&D projects
- ✓ Invited lectures given by industrial experts

Best Practices

- ✓ Support of exchange courses and lectures
- ✓ Support of students exchange programs
- ✓ Involvement to industrial internship programs

Technical Trainings

- ✓ Series of trainings that can be delivered to any place in FRUCT countries
- ✓ Training materials available online at FRUCT sites (e.g. lecture materials)

Activities (2/2)

Incubation of Young Professionals

- ✓ FRUCT conferences
- ✓ Organization own and partnering with the best summer/winter schools
- ✓ Agreements with conferences / journals
- ✓ Top students can get industrial support, e.g. publication and travel grants, stipends, etc.
- ✓ Trainings on scientific writing, legal issues, management, etc.

Support of Professional IT & ICT Communities

- ✓ Creating and maintaining infrastructure for networking
- ✓ Organize developer seminars, conferences, workshops, contests, etc.
- ✓ Building professional social network, help finding post-doc and job opportunities
- ✓ Create friendly ecosystems around member companies
- ✓ Promotion of industry-relevant technologies and positive PR in media

Consortia for Publicly Funded Projects in ICT

- ✓ Finding right partners, building trust and culture of preparing applications



Membership

ASSOCIATE MEMBERS

- Invited to all FRUCT trainings, conferences and projects
- Can follow program progress
- Expert comments & reviews
- Free packages and discounts to the partner events



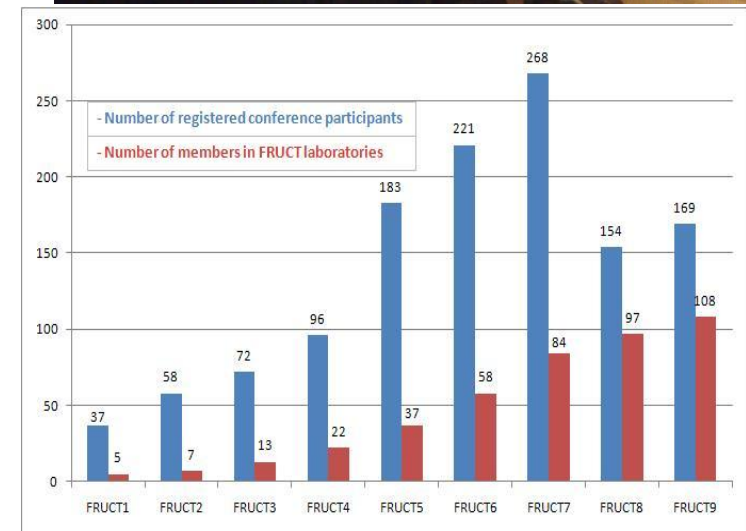
FULL MEMBERS

- Run R&D projects and other competence building activities
- Access to all benefits, i.e. travel grants, donations, stipendiums, devices, books, consulting, etc.
- Act as active conference organizers and key contributors



FRUCT Nowadays

- **Up and running innovation infrastructure**
- **Active and self-motivated international team**
 - >100 active members and >1000 followers
- **Team of experts from industry and academia**
- **7 laboratories in Russian institutions**
- **Presence in Russia, Finland, Denmark, Ukraine**
- **Good visibility and reputation in academia**
- **Partner network and 5 years of experience**
- **Program vision and project portfolio**
- **Large team of mobile developers**



Laboratories and Competences

1. Embedded Networks lab at State University of Aerospace Instrumentation (SUAI), since May'07
 - World-class competences in embedded solutions and inter-device connectivity
2. Wireless & Mobile Technologies lab at Petrozavodsk State University (PetrSU), since June'08
 - World-class Mobile Linux competences, developer experience in Qt and Smart-M3
3. Mobile Software & Services lab at SUAI, since April'08
 - World-class security competences, developer competences in Qt and Smart-M3
4. Smart Spaces team in St-Petersburg R&D center of Russian Academy of Science (SPIIRAS), since November'08
 - World-class competences in Smart Spaces, high competences in cloud computing, green tech
5. Open Source Software lab at St. Petersburg State Electrotechnical University (LETI), since September'09
 - World-class Mobile Linux kernel competences, high developer competences in Qt, testing
6. Network Technologies lab at Nizhny Novgorod State University (NNSU), since May'10
 - High competences in network technologies, mobile-healthcare, MeeGo, Qt
7. Mobile Healthcare lab at Moscow State University (MSU), since September'10
 - World-class competences in mobile-healthcare

Accomplishments and Achievements

- **Delivered 21 successful public domain R&D projects**
- **Contribute to 2 Russia-Finland cross-border M.Sc. programs**
- **Organized 22 conference/seminars & 32 technology trainings**
- **Produced >100 scientific papers, >200 news reports in Russia**
- **Manage 4 large professional communities in Russia and CIS**
- **Won two Russian Mobile VAS Awards in 2010 and one in 2009**
- **Established a new joint M.Sc. program at SUAI, Russia**

- **Prepared and launched 6 new university courses**
- **FRUCT labs visited by Pres. Medvedev and others**
- **FRUCT graduates are very welcome by the industry**
- **Organized R&D 11 contests in Russia, Finland, India**
- **Created most advanced demo for Smart-M3 platform**
- **Activities in Russia, Finland, India, Ukraine, Italy**
- **Extended list of results can be provided on request**



Calendar of the main past and future activities during the year

Event name	Dates	Deadline	Comments
8th FRUCT (Lappeenranta, Finland)	09-12.11.10	27.09.10	free of charge
VII Mobile VAS Conference (St-Petersburg)	18-19.11.10	15.10.10	entrance to contest
Symbian power drain contest (Finland)	05.11-12.12.10	22.12.10	prize: Nokia N95 8Gb
Russian Qt developer contest (Russia)	01.12-28.02.11	15.03.11	prizes: 200'000 rub
Russian MeeGo developer contest (Russia)	30.12-20.02.11	11.03.11	prizes: netbooks, N900
BCFIC 2011 (Riga, Latvia)	16-18.02.11	11.10.10	4 registrations
Qt winter school (St-Petersburg)	21-26.02.11	20.02.11	free of charge
1st Russian MeeGo conference (Moscow)	09-11.03.11	24.01.11	free of charge
Nizhny Novgorod Mobile Week: Qt training	25-28.03.11	22.03.11	free of charge
9th FRUCT (Petrozavodsk)	26-29.04.11	25.02.11	free of charge
Qt training in Yaroslavl	13-15.05.11	07.05.11	free of charge
Qt training in Moscow	16-18.05.11	11.05.11	free of charge
Qt training in Novosibirsk	22-24.06.11	10.06.11	free of charge
Qt summer school in St-Petersburg	15-22.07.11	01.08.11	free of charge
ruSMART 2011 (St-Petersburg)	22-23.08.11	18.04.11	4 registrations
New2AN 2011 (St-Petersburg)	23-24.08.11	11.04.11	4 registrations
IS/IT 2011: FRUCT-South seminar (Divnomorskoe)	02-10.09.11	20.05.11	10 packages
2nd Finnish-Russian Mobile Linux summit (Oulu, Finland)	04-05.10.11	12.09.11	free of charge
Advanced Qt Quick training in St-Petersburg	06-08.10.11	03.10.11	free of charge
UbiComm 2011 (Lisboa, Portugal)	24-29.10.11	10.05.11	4 registrations
Advanced Qt Quick training in Moscow	26-28.10.11	24.10.11	free of charge
10th FRUCT (Tampere, Finland)	07-11.11.11	19.09.11	free of charge
Advanced Qt Quick training in Yaroslavl	05-07.12.11	02.12.11	free of charge

Examples of FRUCT Competences

- Gaming, Entertainment and Education
 - FRUCT won Russian Mobile VAS Best Games Award 2010:
<http://maemo.org/downloads/product/Maemo5/liquid> (~150'000 downloads),
<http://maemo.org/downloads/product/Maemo5/shariks> (~75'000 downloads)
 - MySocials (+a set of extensions) – best client for *vkontakte.ru* and *facebook.com*
 - MySocials won the 2nd place at Russian IT Breakthrough contest
 - QMF plug-in for vkontakte.ru <http://www.youtube.com/watch?v=ViBT9wtj6IM>
- Internet of Things and Smart Spaces oriented solutions
 - Smart Conference solution http://www.vesti.ru/only_video.html?vid=334989
 - Won Russian Mobile VAS Awards in 2009 and 2010 as most Innovative Technology
 - Active contribution to development of Smart Space solutions, e.g. Smart-M3 platform
- Mobile Healthcare and early diagnostics solutions
 - Russian top-ranked mobile-healthcare team lead by Prof. Oleg Medvedev

Web Resources: FRUCT and E-WeREST



Educational and
Networking Function

 www.fruct.org
forum.fruct.org
mbr.fruct.org
wiki.fruct.org



Support of Professional
Communities

qt.e-werest.org
meego.e-werest.org
mhealth.e-werest.org
rusmart.e-werest.org

R&D Cooperation
Infrastructure

e-werest.org
osll.fruct.org
oss.fruct.org
wl.fruct.org





Contact Information

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**Let's make together FRUCT be
fruitful cooperation framework!**

Next Step: Cooperation Pyramid EU-Russia-India

