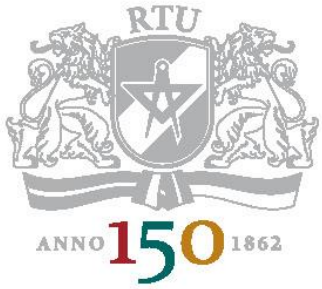


# ORTUS – Gateway to University IS

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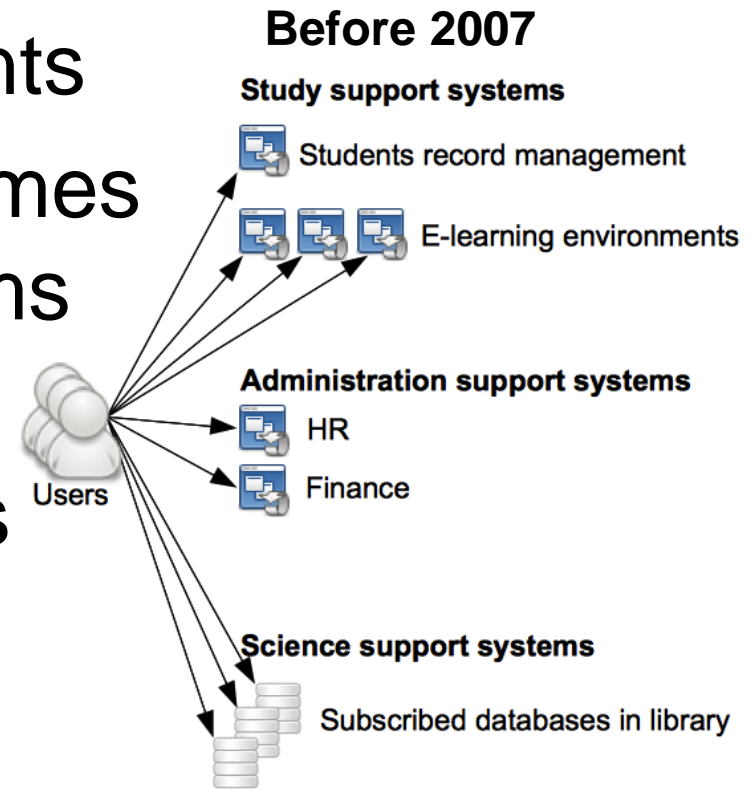


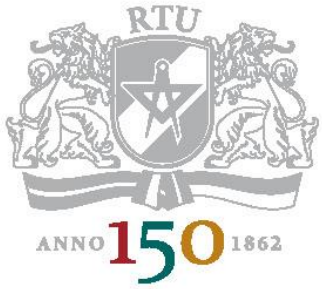
# Outline

- University IS integration
- Rise of IS usage and acceptance
  - E-learning & Library examples
- Audience based approach
- Conclusions

# Common challenges

- Systems distributed across departments
- Different login names in different systems
- Weak or no integration across systems

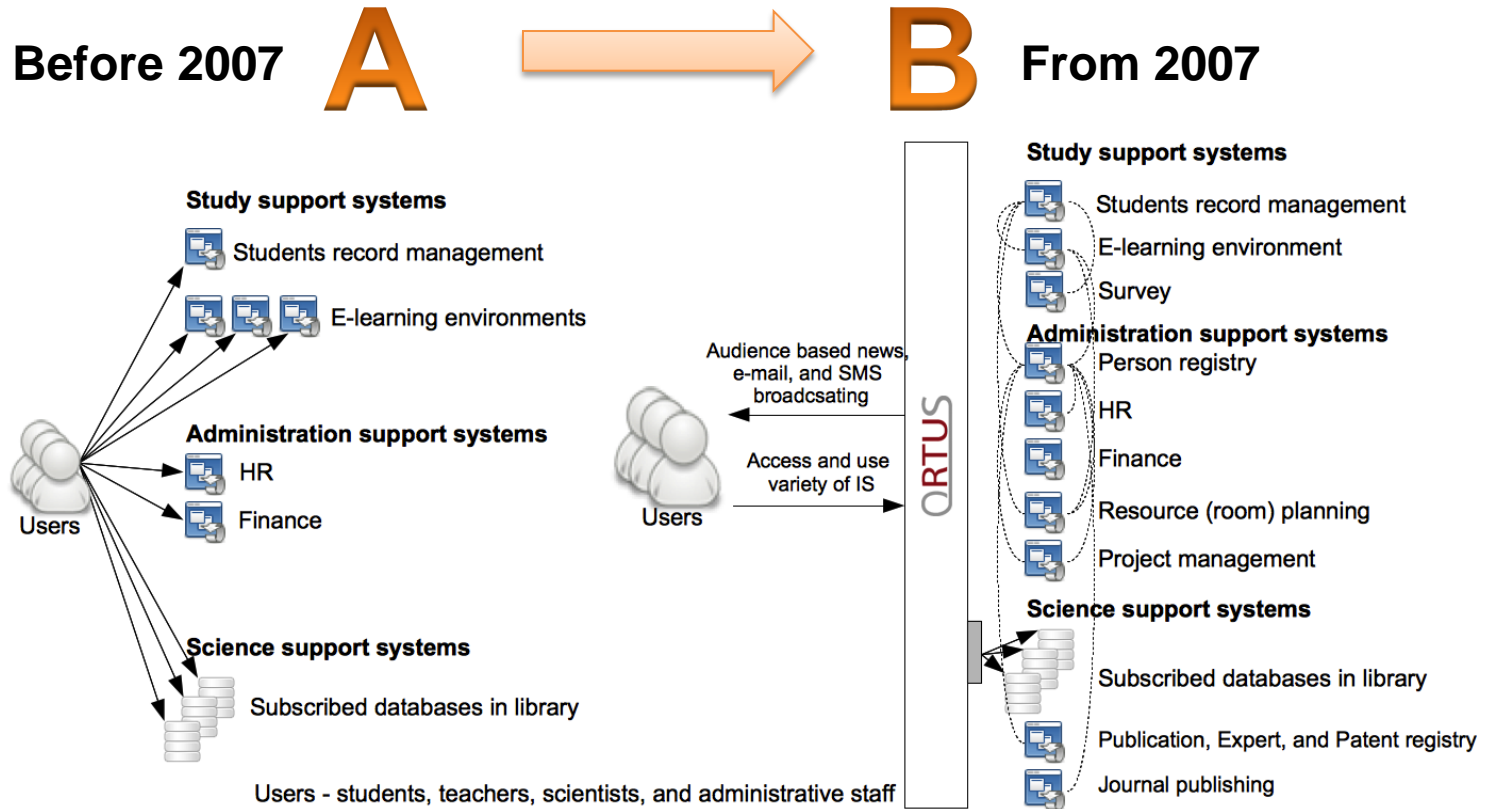




# ORTUS

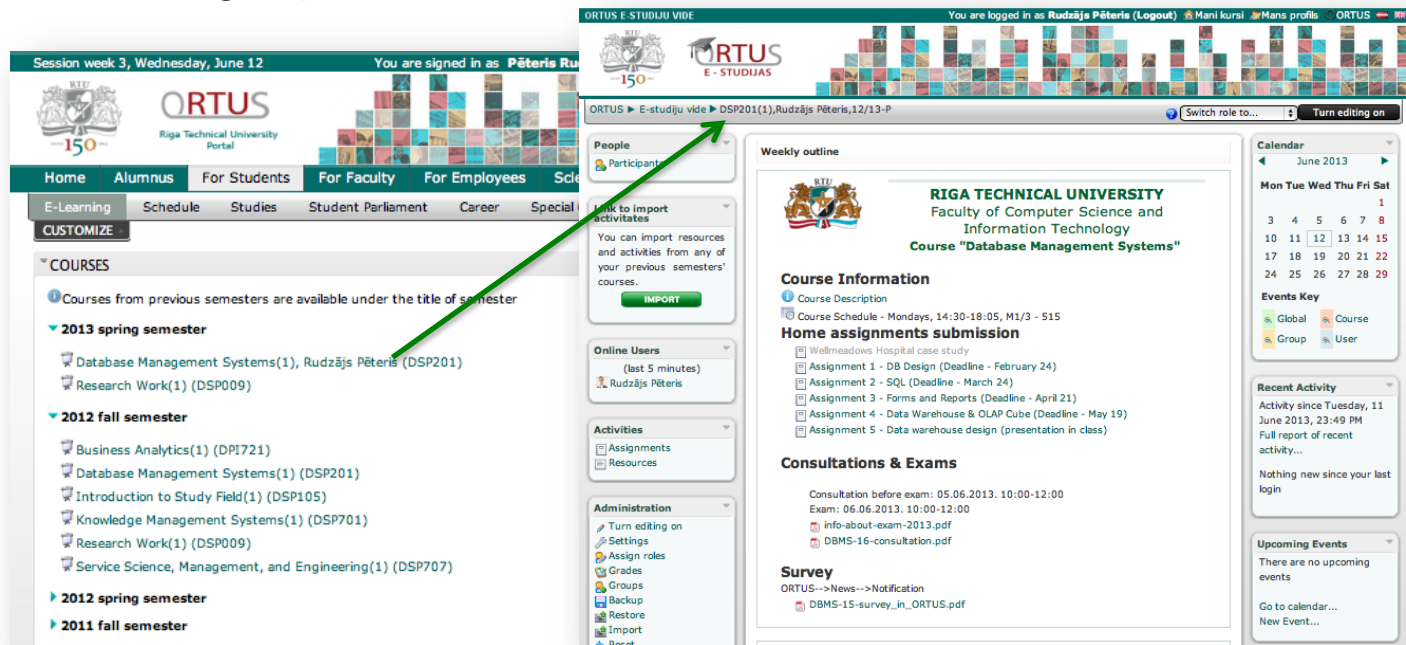
- University portal ORTUS (*source, rising - in Latin*) introduced in 2007
- ORTUS – the facilitator of access and use of different IS
  - Ease of access, single point of entry, gateway to university IS
  - Services provided through ORTUS have evolved and are still evolving to adjust changing requirements

# Overview



# The rise of IS usage and acceptance— examples (1)

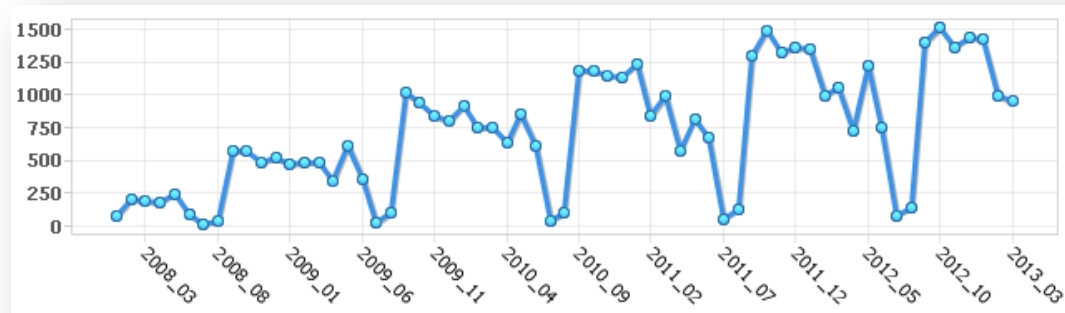
- **Centralized e-learning solution**
  - No distributed e-learning environments across departments
  - Single point of access



The screenshot displays the ORTUS e-learning portal. The top navigation bar includes 'Home', 'Alumnus', 'For Students', 'For Faculty', and 'For Employees'. The main content area is titled 'COURSES' and lists various courses, including 'Database Management Systems(1)' and 'Research Work(1)'. A green arrow points from the 'Database Management Systems(1)' course entry to a detailed course page. This page shows the course title 'RIGA TECHNICAL UNIVERSITY Faculty of Computer Science and Information Technology Course "Database Management Systems"', course information, weekly assignments, consultations, and exams. The right sidebar contains a calendar for June 2013, recent activity, and upcoming events.



- Centralized synchronization to populate user and course data
  - Courses, teachers, and students **each** semester are already there – teachers don't have to worry about student assignment to e-learning courses
- User support and training
- Activity (thousand hits per month)



# The rise of IS usage and acceptance— examples (2)

- **Unified access to databases subscribed by the library (Scopus, ScienceDirect, Ebsco, SpringerLink, etc.)**



The screenshot displays a library website interface with a navigation bar at the top. The main content area is divided into several sections:

- Navigation Bar:** Includes links for "Hub", "ScienceDirect", "Scopus", and "Applications". It also features a search bar and a "Search" button.
- ScienceDirect Section:** Promotes "Between jobs?" and "Apply for your free access to our books & journals". It includes a "ScienceDirect" logo and a "POSTDOC FREE ACCESS PASSPORT" graphic.
- ScienceDirect's Top 25:** A section titled "View the top downloaded articles" with a "Your area of interest" dropdown menu.
- Latest News:** A section with news items, including "As of December 1st, Athens login option will no longer be available" and "FREE ACCESS to a variety of articles by 2012 Nobel Prize Laureates".
- Between jobs? Section:** A sidebar section titled "Between jobs?" with the text "Apply for your free access to our books".
- Database Listings:** A list of databases with details such as "EBSCOHOST [4]", "ScienceDirect [17]", "EBSCOhost eBook Academic Collection [0]", "SCOPUS [9]", and "LURSOFIT [7]". Each listing includes a brief description and a date.




- User just signs in ORTUS and can freely access any subscribed database
  - there is no need to use different login names for each database
  - no need to be physically present in the library



- Activity (user sessions per year)
  - Science Direct: from 9,200 in 2007 to 16,000 in 2012
  - SpringerLink: from 960 in 2007 to 2,600 in 2012

# Audience based approach

- Users visit portal with their own goals (studies, research, administrative, etc.),
  - For each of them we can ensure the customized information acquired from different integrated systems
- Audience based solutions 
  - ORTUS itself
  - News
  - Surveys
  - Notifications from different IS
  - E-mail, SMS

# Audience examples

- From generic to specific audiences

All students



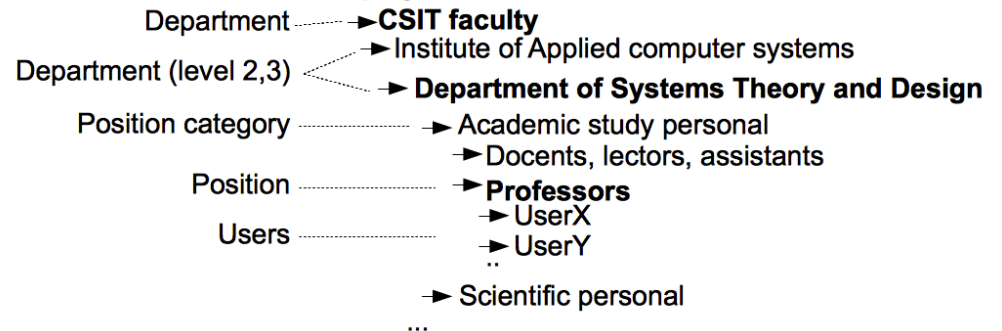
CSIT faculty,  
Department of Systems Theory and Design  
professors

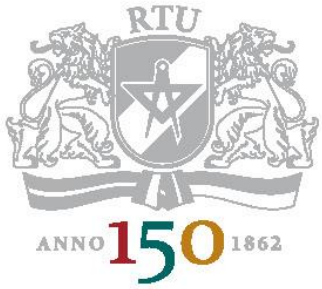


All employees



Employees



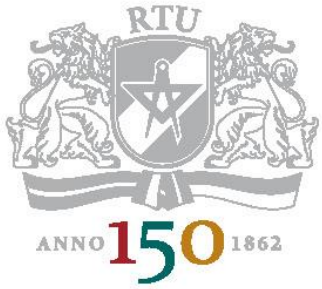


# ORTUS itself



- Different information units and features available for students, employees, foreign students, guests

The screenshot displays the ORTUS website interface for Riga Technical University. The top navigation bar includes 'Home', 'For Students', 'Library', and 'Support'. Below this, a secondary menu lists 'Home', 'Alumnus', 'For Faculty', 'For Employees', 'Science', 'Library', and 'Support'. The main content area is divided into several sections: 'LINKS' with links like 'E-mail', 'Register of graduate papers', and 'RTU home page'; 'CONTACT INFORMATION SEARCH' with a search box; 'NEWS' with a search box and a recent article about RTU's industrial research centers; 'COURSES' with a search box and a list of courses; 'NEWS FROM FOREIGN STUDENT DEPT.' with a search box and a notification about exam time changes; and 'NOTIFICATIONS' with a search box and a message about no notifications. The interface is clean and organized, with a search bar in the top right corner.



# News



Session week 3, Thursday, June 13

You are signed in as **Pēteris Rudzājs** Home Administration Site Map Profile Sign Out

RTU ORTUS Riga Technical University Portal

Home Alumnus For Students For Faculty For Employees Science Library Administration Support

News Message Board Regulations and Rules News Archive Add Tab

CUSTOMIZE

**LINKS**

- E-mail
- Register of graduate papers
- RTU home page
- Recommend ORTUS in twitter.com
- Project management system
- Study management system
- Study programme register
- Resource planning system
- Financial system
- Lietvedības sistēma
- Bookmarks

- E-studijas (testa vide)
- E-studijas (izstrādes vide)
- Resource planning system (test)
- Lietotāju atbalsta sistēma
- Vienotās identifikācijas vadības sistēma
- RTU IT dienesta programmatūras projektu pārvaldība

**CONTACT INFORMATION SEARCH**

Search

**NEWS**

Home

- Universitātes informācija
- Studijas
- Zinātne
- Projekti
- Kultūra
- Sports
- Bibliotēka
- Sadzīve
- RTU medijos
- Paziņojumi
- Pakalpojumi
- Viedoklis
- In memoriam
- Karjera

**RTU otro gadu pēc kārtas dominē kā darba devēju ieteiktākā augstskola** [0] Remove article 12.06.2013.13:06

**#1** Rīgas Tehniskā universitāte (RTU) un tās piedāvātā studiju programma «Datorsisēmas» jau otro gadu pēc kārtas dominē Latvijas Darba devēju konfederācijas (LDDK) un karjeras portāla «prakse.lv» pieprasīto augstskolu un profesiju sarakstā, kā tapšānā piedalījušies 623 uzņēmumi.

RTU doktoranti pasaules fizikas pētniecības šūpulī [0] 12.06.2013.16:10

**LATVIJAS AVIŽI** «Tur viss notiek, ir milzīgas jaudas, enerģijas pārveidotāji,» pēc doktorantu vizītes Eiropas kodolpētniecības centrā «CERN» laikraksta «Latvijas Avīze» publikācijā stāsta RTU Enerģētikas un elektrotehnikas fakultātes (RTU EEF) doktorants Kristaps Vītols.

RTU Rektora padomes sēde [0] 12.06.2013.11:45

RTU Rektora padomes sēde notiks otrdien, 18. jūnijā, plkst. 8.30

Kaļķu ielā 1, 119. telpā.

Darba kārtība

Izstāde "Kipsālas dizaina kods" [0] 11.06.2013.21:39

19. jūnijā plkst.18:00 notiks izstādes "Kipsālas dizaina kods" atklāšana. Kipsālas dizaina kods ir Rīgas Tehniskās universitātes Tekstilmateriālu Tehnoloģiju un Dizaina institūta diplomandu izstāde, kas tradicionāli notiek studiju gada noslēgumā - RTU dizaina studiju

**NOTIFICATIONS**

Moodle Unread messages [1]

**ADMINISTRATIVE NEWS**

ektora 04.06.2013.12:18  
kojums Nr. 1000-1.1/145 Par pedagogu amatiem [0]  
Īdzu iepazīties ar 2013. gada 31. maija ektora p.i. rīkojumu Nr. 01000-1.1/145 Par edagogu amatiem

ektora p.i. 04.06.2013.12:14  
kojums Nr. 1000-1.1/147 Par dzeramā ūdens iegādi [0]  
Īdzu iepazīties ar 2013. gada 4. jūnija rektora i. rīkojumu Nr. 01000-1.1/147 Par dzeramā dens iegādi

ektora 30.05.2013.11:30  
kojums Nr. 1000-1.1/139 Par aizvietošanu rektora omandējuma laikā no š.g. 26. jūnija līdz 28. jūnijam [0]  
Īdzu iepazīties ar 2013. gada 30. maija ektora rīkojumu Nr. 01000-1.1/139 Par izvietošanu rektora komandējuma laikā no š.g. 6. jūnija līdz 28. jūnijam

First Previous 1 2 3 4 5 6 Next Last

Calendar: Jun 2013

M	Tu	W	Th	F	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16



# Centralized surveys



- Audiences: study course students of particular semester, curricula graduates, doctoral students

Integrated data from:



Students record management

Resource (room) planning

Person registry

Curriculum registry

Title	Term/Deadline	Filled
DIP321 Algoritmi un programmēšanas metodes , Gints Jēkabsons	31.05.2013	No
DSP201 Datu bāzu vadības sistēmas , Pēteris Rudzājs	31.05.2013	No
DM204 Diskrētā matemātika , Aleksandrs Matvejevs	31.05.2013	No
EEE226 Elektrotehnika un elektronika , Aigars Vitols	31.05.2013	No

Survey on the study subjects implemented in spring semester of the academic year 2012/13

Study subject: (DSP201)  
Professor/lecturer: **Pēteris Rudzājs**

I have undertaken the study subjects, it was taught by the professor/lecturer specified

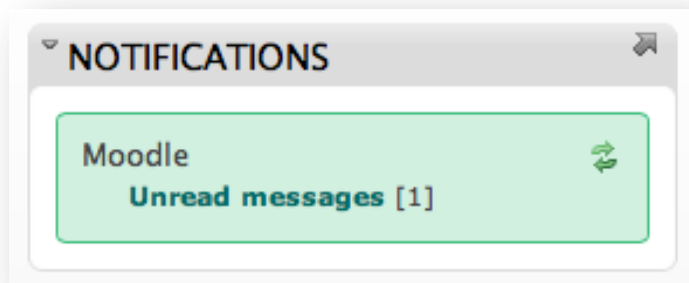
Survey will be held from 4 May to 31 May

	Strongly agree	Partially agree	Neutral assessment	Partially disagree	Strongly disagree	No evaluation
1 At the introductory lecture, the lecturer/professor informed the students on the curriculum and assessment procedures and criteria	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The lecturer/professor covered all capabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Notifications from different IS



- Single users as audience
- Example sources:
  - Students rec. management - about study depts (unpaid payments)
  - E-learning – about unread messages
  - Survey – about unfilled surveys
  - Scientific library – overdue the date for returning books to library



Data from:



Students record management



E-learning environment



Survey



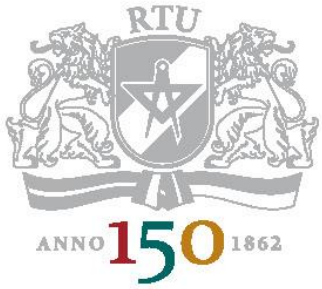
Scientific library

# Other audience based solutions

- E-mail, SMS
  - As means to quickly communicate information to specific audiences



- Example cases:
  - Unplanned guest lecturer speech about a specific topic
  - Teacher's unexpected absence one hour before the class



# Conclusions

- University portal ORTUS as a facilitator to system integration
- Integration of different IS is facilitating new and evolving solutions and services
- ORTUS as a gateway
  - Single point of entry to different IS
  - Audience based solutions
    - Serving information to user (news, notifications, etc.)
    - Gathering information from user (feedback, surveys, etc.)