Stichting NIOC en de NIOC kennisbank

Stichting NIOC (www.nioc.nl) stelt zich conform zijn statuten tot doel: het realiseren van congressen over informatica onderwijs en voorts al hetgeen met een en ander rechtstreeks of zijdelings verband houdt of daartoe bevorderlijk kan zijn, alles in de ruimste zin des woords.

De stichting NIOC neemt de archivering van de resultaten van de congressen voor zijn rekening. De website www.nioc.nl ontsluit onder "Eerdere congressen" de gearchiveerde websites van eerdere congressen. De vele afzonderlijke congresbijdragen zijn opgenomen in een kennisbank die via dezelfde website onder "NIOC kennisbank" ontsloten wordt.

Op dit moment bevat de NIOC kennisbank alle bijdragen, incl. die van het laatste congres (NIOC2025, gehouden op donderdag 27 maart 2025 jl. en georganiseerd door Hogeschool Windesheim). Bij elkaar zo'n 1500 bijdragen!

We roepen je op, na het lezen van het document dat door jou is gedownload, de auteur(s) feedback te geven. Dit kan door je te registreren als gebruiker van de NIOC kennisbank. Na registratie krijg je bericht hoe in te loggen op de NIOC kennisbank.

Het eerstvolgende NIOC vindt plaats in 2027 en wordt dan georganiseerd door HAN University of Applied Sciences. Zodra daarover meer informatie beschikbaar is, is deze hier te vinden.

Wil je op de hoogte blijven van de ontwikkeling rond Stichting NIOC en de NIOC kennisbank, schrijf je dan in op de nieuwsbrief via

www.nioc.nl/nioc-kennisbank/aanmelden nieuwsbrief

Reacties over de NIOC kennisbank en de inhoud daarvan kun je richten aan de beheerder:
R. Smedinga kennisbank@nioc.nl.
Vermeld bij reacties jouw naam en telefoonnummer voor nader contact.

Check-IT in China

Door: Jan Dankers; (ex-directeur HAN Instituut en adviseur Check-IT).

Kernwoorden: internationalisering, ICT-projecten, stage in China, internationale minor, interculturele samenwerking in projecten, ICT-bedrijven in China.

Vijf hogescholen hebben in samenwerking met de Universiteit van Xiamen het China Holland Exchange Competence and Knowledge centre for Information Technology gerealiseerd. In februari 2013 is de 8ste groep van 15-25 Nederlandse studenten een stagesemester begonnen in Xiamen, China. Zij werken samen met 15-25 Chinese studenten in een ICT-projectcentrum aan projecten voor bedrijven in het Software Park van Xiamen waar 500 ICT-bedrijven zijn gehuisvest. De studenten ontwikkelen hun individuele hbo-competenties in een unieke context. Internationaal, intercultureel en ondernemend in relatie tot de ICT-bedrijven in de omgeving van het Check-IT-centrum.

De presentatie lichtte de ontwikkeling, ervaringen en stand van zaken rondom Check-IT toe. Ook de deelname van studenten van andere hogescholen in een internationale stage of minor kwam aan bod.

Introduction of CHECK-IT

CHECK-IT is a consortium consisting of Software School of Xiamen University and partner Universities (2007-2013), Leiden University of Applied Science, The Hague University of Applied Science, Zuyd University of Applied Science, HAN University of Applied Science, Leiden University, and Laurea University of Applied Science. Two institutions of the partner universities (ICLON and the Institute of Education, Xiamen University) offer educational and cross-cultural advisers.

Figure 1. Start of CHECK-IT project in 2007 in the Software Park in Xiamen.

Short History

In November, 2007, the delegation of Institutes of Higher Education in the Netherlands visited the software park during the meeting with Xiamen University and had the idea of collaborative construction of training base (figure 1).

On August 28th, 2009, the opening ceremony of the first CHECK-IT group Center was held in Xiamen University Software School and on January 18th, 2010, the graduation ceremony of the first CHECK-IT group was held in the Software Park. On Feb. 25th, 2013, the opening ceremony of the **eighth** CHECK-IT group was held in the Software Park (figure 2).
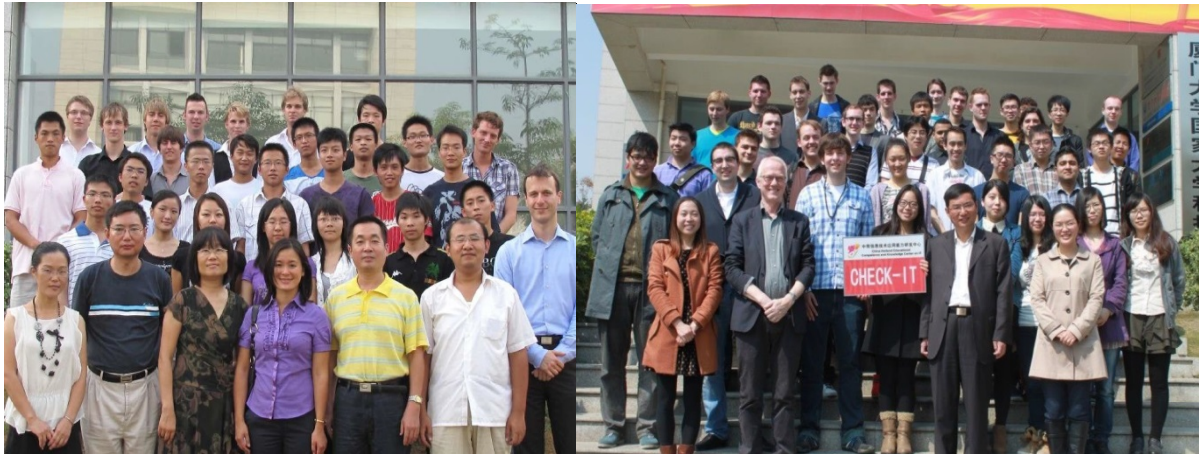

Figure 2. First (2009) and eight (2013) group of staff and students in CHECK-IT-project.

Location, facilities, staff and students of CHECK-IT

CHECK-IT center composed of one student lab, one meeting room with a coffee bar and two lecture offices, occupies approx. 950 M2 area. The center is equipped with advanced computers and IBM, DELL Servers. Devices as fax machines, scanners, projectors, laser printers, network printers and the fiber network. The participating staff working in the project since the start in 2009 is total 18 Chinese staff, 22 Dutch and 1 Finnish staff. Of total 290 students participating in CHECK-IT were 157 Chinese 125 Dutch and 8 Finnish students.

The CHECK-IT-project is located in Building #39, Wanghai Road, Xiamen Software Park, Xiamen, China (figure 3). Email: info@checkitcenter.com ; Website: www.checkitcenter.com ; www.check-it.cn
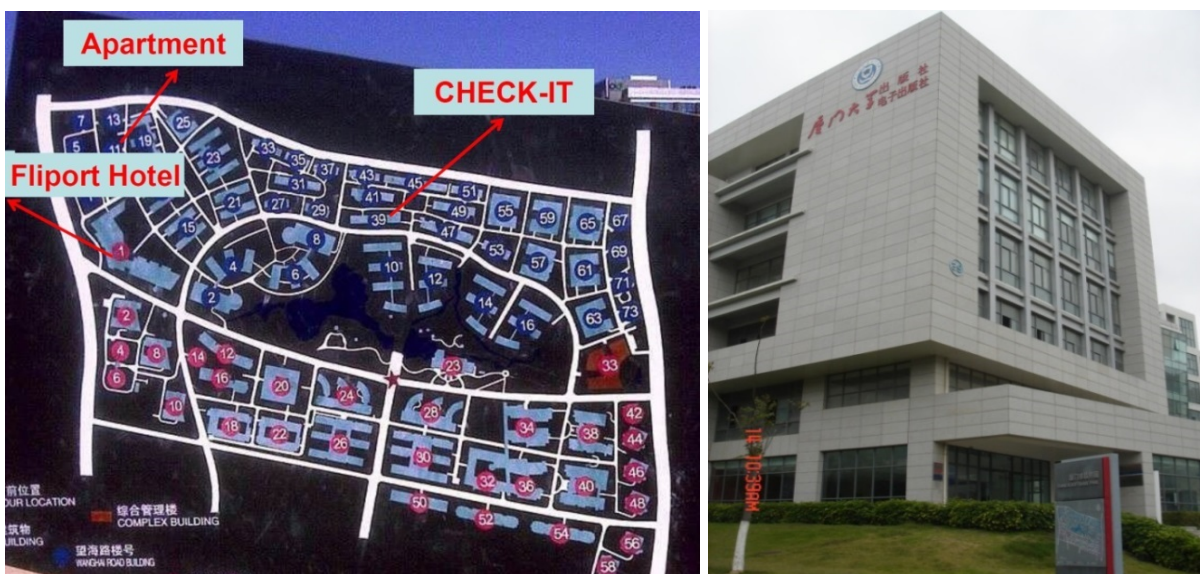

Figure 3. Software Park and Building where CHECK-IT Project is located.

Mission of CHECK-IT

CHECK-IT offers the most advanced software development concept, cultural diversity and international cooperation and aims at development of students professional capabilities in international and intercultural environment. CHECK-IT develops ICT-systems, services in projects for companies and institutions organized and implemented by students majoring in ICT and Digital Media Studies of Chinese Dutch and other international Universities.

The projects are from Dutch Company & University, Chinese Company & University and for the CHECK-IT organization. Besides the main working task for students in project work they participate extensively in Cross-Cultural Lectures and Activities to learn Chinese Language and interchange experiences of Chinese Culture and Dutch Culture in all kinds of events, tours and other opportunities to enhance the intercultural competences. Examples of CHECK-IT projects are listed in figure 4.

Company	Project
Huisman	Huisman Warehouse Management System (Manage and Record all the consumable and non-consumable items; View detailed information about workgroups; View detailed information about warehouses; Export monthly report to Excell)
Noell	Network Infrastructure Migration (the department in Xiamen wants to migrate to their new office in Jimei. For this they need a new network infrastructure design to support their 30 client computers).
Offman Company	Rijschool Website Design
University of Amsterdam	Master Website (Create a website to help make choices on masters; Website for sharing student experiences).
Ring Central	Software development
Civil Aviation Cares	Mobile Check-in System
Software School	The flowers in the mirror game
Company	Human Resource Management System (Personnel file management; Personnel attendance management; Work overtime and vacation maintenance; Salary management; Staff development module; System management).
Software School	Learning Management System (The system is for students with disabilities; The system needs to be based on Google Apps; The User interface should be suitable for students with different disabilities).
Pappy's Pizza	Logo Design and Food Ordering System
Different Companies	Logo Design
CHECK-IT	CHECK-IT Dynamic Website (Knowledge Base System; Customer Relationship Management system; Content Management System; Blog System; Help Desk System); CHECK-IT Website-Intranet; CHECK-IT Website2.0 Using Koobo; Update CHECK-IT Website based on Wordpress with Mobile Application; CHECK-IT Library Reservation System;
CHECK-IT	CHECK-IT Promotional Brochure & Video;
CHECK-IT (students)	CHECK-IT Taxi Application

Figure 4. Examples of companies, institutions and projects delivered by students in CHECK-IT-center.

Activities of CHECK-IT in Cross-Cultural Lectures & Chinese Language Courses

Cross cultural leaning is an important part of all the students' internship. Professor Fan Yihong from the Institute of Education of Xiamen University is invited to give cross culture seminars and activities for the students as the Educational and Cross Cultural Advisor of CHECK-IT.

Ms Du Hongfan from the Overseas Education College of Xiamen University and other Chinese Language teachers deliver cross culture seminars and Chinese language courses for the students.

Activities of CHECK-IT to experience Chinese and Dutch culture, tours & excursions (figure 5, 6, 7).

Date	Ch/Nl	Activity
2009-09-11	Ch	Professor Fan brought all the teachers and students to a teahouse named Dr. Tea House located at Guanyinshan, Xiamen to learn tea drinking culture.
2010-02-13	Ch	Chinese New Year the Eve of Chinese New Year, all Dutch students were invited to Xiamen University Chinese New Year Dinner
2011-10-17	Ch	Watch Making –tea show @ Dr. Tea
2011-09-23	Ch	Mid-autumn Gambling
2011-12-26	Ch	Dumplings Day
2011-02-17	Ch	Lantern Festival
Yearly	Ch	Mooncake Game culture: It's a traditional mid-autumn festival activity in Minnan area. Professor Liao and Professor Zeng host the game and explained the history and rules of the game to all the students.
2012-3-21	Nl	Dutch and Chinese students experience Dutch Culture Day.
2012-11-23	Nl	Tulip Planting Ceremony. tulip seeds from Holland were planted by couples of Chinese students and Dutch students together.
2012-12-10	Nl	Sinterklaas from Spain visited CHECK-IT with presents to well-behaving students.
2012-12-22	Nl	Performance at the software school's new year Party
2013-03-07	Nl	Schoolgirls Day one day before the Women's Day
Yearly	Nl	Easter Celebration
Yearly	Nl	Pancake Night
Yearly	Nl	Carneval Festival
Yearly	Nl/Ch	Christmas Party and making dumpling activity

Figure 5. Examples of activities of CHECK-IT to Experience Chinese and Dutch Culture.

Date	Tour for all students and accompanying staff
2010-09-09	Dutch & Chinese students visited the campus of Xiamen University
Semester	Visit Xiamen University Tour; Visit Nanputuo Temple Tour
Yearly	Visit Xiamen Expo Garden
Yearly	Visit Grand Valley in Tongan
Occasionaly	Tong' an Movie town and a very famous temple nearby.
Occasionally	Fujian Nanjing Tulou Trip; world cultural historical remains
Occasion	Trip to Putian
Yearly	Volcano Park & Zhangzhou campus of Xiamen University
Semester	Botanical Garden Tour
Occasion	Dongshan Island Tour

Figure 6. Examples of tours and excursions of CHECK-IT for cultural exchange.

Date	Special occasion
2009-12-22	Activity Day Christmas and New Year party: In the afternoon all the teachers and students engaged in making dumping and cooking dumping. After that, the Dutch teacher and students made some Dutch food for the whole group. In the evening, the Christmas and New year party started.
17-09-2010	CHECK-IT arranged a visit to European Art Exhibition held by Art Department of Xiamen University.
4..7-11-2010	The 3rd Xiamen International Animation Festival. In order to promote CHECK-IT better and look for more partners, we participated in this annual events.
2011-11-07	HAN University, Gelderland Delegation Visit
2011-11-07	Seminar of International Training Base Development for Software Talent
2011-11-6	Leiden University Visit
2011-11-10	CHECK-IT Business Summit Meeting
2012-4-13	Farewell Okan @ Gulangyu
2010-11-12.17	Delegations from Holland and Finland visited CHECK-IT.
2012-5-19	Windesheim Delegation @Gulangyu and Visit Tulou
2012-5-22	Chinese teachers meeting Windesheim Delegation in CHECK-IT.
14-03-2013	Gelderland province delegation visiting CHECK-IT; Dr. Annemieke Traag Province of Gelderland Vice Governor; Peter de Jong Managing Director international Affairs; Hans Cornet Director Economic Affairs & Innovation
2010-1-18	Niek Haarman, Vice Consul General of the Kingdom of the Netherlands & Mrs. Michael He visiting CHECK-IT
2012-11-02	Mrs. Anne Luwema The Consul General of the Kingdom of the Netherlands visiting CHECK-IT

Figure 7. Examples of Special Occasions for CHECK-IT project.

Future of CHECK-IT

CHECK-IT center is exploring more extensive cooperation with Chinese companies (especially companies located at Xiamen) and Dutch companies, to get real projects for joint R&D. CHECK-IT center will improve it's external publicizing and marketing work, further promoting the achievements to attract more students to join in various projects.

Wilt u reageren op deze presentatie? Neem dan contact op met:
Jan Dankers; projectleider, adviseur; CHECK-IT.
j41Dankers@gmail.com