



VCWI 2005 Annual Meeting

荷兰华人学者工程师协会 2005 年年会

Proceedings

**Organizer: Vereniging van Chinese Wetenschappers en
Ingenieurs in Nederland (VCWI)**

主 办： 荷兰华人学者工程师协会

Co-organizer: Inspraakorgaan Chinezen (IOC)

协 办： 荷兰华人参议机构

Eindhoven, The Netherlands, December 11, 2005

荷兰 爱因霍芬，2005 年 12 月 11 日

VCWI 2005 Annual Meeting

荷兰华人学者工程师协会 2005 年年会

Sponsored by



The Education Section, The Embassy of the People's Republic of China
in the Kingdom of the Netherlands

Euroland Travel (欧洲园旅行社), Eindhoven

Date and Venue

- Venue: Eindhoven University of Technology
- Place: Blauwe zaal, Auditorium, TU/e, Den Dolech 2, 5612 AZ Eindhoven
- Date: Sunday, 11 December 2005

Acknowledgement

- Chief Coordinator (负责人): ZONG Mingcheng (宗明成)
- Organizing committee / 大会组委会:
CHEN Yusen (陈玉森), ZHANG Heqing (张禾青), YU Zhenhua (俞振华), ZONG Mingcheng (宗明成), JIN Xing (金星), LI Daoping (李道平), HU Jun (胡军), SHI Pingwei (史平微).
- Meeting team members / 大会工作人员:
LIU Dawei (刘大威), FAN Yujian (范裕建), DAI Xiulan (戴秀兰), REN Lin (任林), MA Zhenhua (马振华), ZHAN Renyue (詹仁月), CAO Xin (曹鑫), ZHANG Jingze (张净泽), WANG Ting (王婷), SUN Wei (孙巍), LAO Weilun (劳卫伦), SUN Ke (孙可) Junrong Yu, etc.

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VCWI 2005 Annual Meeting 荷兰华人学者工程师协会 2005 年会

Meeting Program

(Meeting Chairman: Mingcheng ZONG / 宗明成)

Date: Sunday, 11 Dec. 2005.

Venue: Blauwe zaal, Auditorium, TU/e, Den Dolech 2, 5612 AZ Eindhoven

10:00 - 11:00: Receiving and Registration /注册;

Section 1: Presentation & Report / 报告与总结 (Language: Chinese)

(Chair: Yujian FAN /范裕建, Xiulan DAI /戴秀兰)

- 11:00 – 11:10 Opening /开幕 (Mingcheng ZONG / 宗明成)
- 11:10 – 11:20 IC 论坛介绍 (金星)
- 11:20 – 11:30 生命科学论坛介绍 (廖毅/周宇)
- 11:30 – 11:40 IOC 介绍 (张挺宏主席)
- 11:40 – 12:00 本届(2004/2005 年度)理事会总结报告 (陈玉森)
- 12:00 – 12:10 财务报告(任林)
- 12:10 – 12:20 对 VCWI 今后工作的建议 (刘大威)

12:20:00 ~ 13:00: Lunch (午饭);

Section 2: Symposium/ 讨论会 (Language: English)

“Market demands on talents aiming for Dutch-Sino Education & Research Collaborations”

/ “从荷中教育科研合作看市场对人才的需求”

(Chair: Mingcheng ZONG / 宗明成, Jun HU /胡军)

13:00 – 13:10 **Welcome and keynote speech**, Prof.dr.ir. M.J.W. Schouten,
Dean of Industrial Design Department, TU/e

**Presentations:**

- 13:10 – 13:40 “Some comments on the inter-university educational exchange and cooperation”, Mr. Guangwu Tong (First secretary of Educational Section, the Embassy of P.R. China);
- 13:40 – 14:00 “Internationalization in Design Education and Research”, Prof.dr.ir. M.J.W. Schouten (Dean of Industrial Design Department, TU/e);
- 14:00 – 14:20 “The new education model at TU/e Industrial Design”, Prof.dr.ir. L.M.G. Feijs (Vice-Dean/Director Research of Industrial Design Department, TU/e);
- 14:20 – 14:40 “TU/e and Northeastern University collaboration in biomedical engineering”, Prof. Dr. B.M. ter Haar Romeny (Biomedical Engineering Department , TU/e);
- 14:40 – 15:00 “The Chinese and Dutch Higher Education Systems”, Dr. Haixiang LIN (VCWI / TUDelft);
- 15:00 ~ 15:20 Coffee / Tea (咖啡/茶);


Section 3: Election & Discussion / 选举与讨论 (Language: Chinese)

(Chair: Heqing ZHANG /张禾青, JIN Xing /金星,
Yusen CHEN / 陈玉森, Zhenhua YU /俞振华)

- 15:20 – 15:40 薛捍勤大使讲话 (Chinese Ambassador H.E. Dr. XUE Hanqin)
- 15:40 – 16:00 “新形势下的领事工作”(中国驻荷兰大使馆领事部主任孙卫东)
- 16:00 – 16:45 新一届理事会选举 (Heqing ZHANG /张禾青, JIN Xing /金星).
- 16:45 – 17:45 会员提案与讨论 (Yusen CHEN / 陈玉森, Zhenhua YU /俞振华)
- 17:45 – 17:50 公布选举结果 (Heqing ZHANG /张禾青, JIN Xing /金星)
- 17:50 ~ 18:00 Acknowledgement & Closing / 致谢与闭幕 (Yusen CHEN / 陈玉森)
- 18:00 ~ 18:30 新一届理事会议 / 会议室整理
- 18:45 ~ 21:30 **Dinner/晚餐** (CHINEES RESTAURANT KAM PO /金宝大酒楼,
Address: Markt 9, 5611 EB Eindhoven. Tel. 040-2432243)

2005年工作回顾兼本届理事会总结

陈玉森, 刘大威, 任林




Vereniging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会

增加透明度, 增强凝聚力, 提高知名度, 倡导办实事

2005年工作回顾兼本届理事会总结
(由 陈玉森, 刘大威, 任林 作报告)

荷兰华人学者工程师协会

2005年工作总结 VCWI Annual Meeting, TU Eindhoven, 11/Dec/05



Vereniging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会


协会的宗旨:

- 促进中荷两国间科学, 技术, 文化和教育, 商务等方面的交流, 增进中荷两国人民的相互了解和合作
- 帮助会员适应在居住国的工作与生活, 融入社会
- 建立和保持在荷兰的华人学者和工程师之间的联系

本届理事会两年的努力重点:

- 增加透明度
- 增强凝聚力
- 提高知名度
- 倡导办实事

2005年工作总结 VCWI Annual Meeting, TU Eindhoven, 11/Dec/05




Vereniging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会

增加透明度:

- 协会理事有明确的分工并互相通报
- 各项协会活动都向全体会员通知/通报
- 参加活动自发报名或公开选择
- 理事会倡议的相关活动、交流与讲座均由理事和会员一起组织并执行
- 例子: 见后面有关活动部分

2005年工作总结 VCWI Annual Meeting, TU Eindhoven, 11/Dec/05




Vereniging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会

增强凝聚力:

- 理事和会员一起组织并执行相关的活动、交流与讲座
- 参加、支持一些特别事件
 - 数十名会员为广西洪灾捐款
- 互相推荐、支持(参加)相关学业活动
 - 张宁, 巍巍和陈玉森参加无锡海外学人项目交流会
 - 欧洲华人微电子专家代表团访问上海和东北地区
- 与兄弟社团组织相互合作和支持
 - 华人经济中心 // 华人参政议政机构改革//
 - 学生会 // 生命科学网//微电子论坛 //

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Vereniging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会

提高知名度:

- VCWI 中荷商务论坛: 提高促进与荷兰政府和民间交往合作
- “欧洲华人第一次微电子专业论坛”
- 协会间的交流: 范裕建去Aachen参加FCPAE年会, 于振华参加LFCON 及 CCPN 会议
- “评选海外优秀留学生”委员会主要成员
- 会晤荷兰经济部及运输部两位总司司长, Eindhoven市, 高科技园区和荷兰商会及中国大使馆等官员和各界人士, 等等
- 陈求稳与刘春明回中国科学院任职主任及教授

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Vereniging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会

理事会这两年做了哪些工作?

- VCWI 2004/2005年羽毛球及乒乓球锦标赛 (2004年4月10日, Nijmegen/Rotterdam, 2005年2月26日; Eindhoven, 21/May)
- 在代尔夫特理工大学文化中心举办: 在华人回国发展研讨会 (ACSSNL协办, 2004年5月9日)
- 夏令营活动 (6月11-14日, Buitenplaats Gerner, Dalftsen/2005年6月11日, Sunparks Osstduinkerke)
- 2004年VCWI年会 (12月18日, TU Delft); 2005年VCWI年会 (12月11日, TU Eindhoven)
- 荷兰税务税法讲座及研讨会 (2004年3月13日, Eindhoven);
- 商务论坛 (2004年9月22日, Den Haag市政厅/2005年10月12日, Eindhoven)
- 举办“欧洲华人第一次微电子专业论坛” (Delft, 2004年10月16日)/“电子专业论坛” (Eindhoven, 2005年9月17日)

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VCWI 2005年乒乓球锦标赛 (Rotterdam, 2月26日):

- 组委会: 俞振华, 戴秀兰, 张净泽 (NIJMEGEN), 方越, 邹振环 (DELFT)、张禾青 (EINDHOVEN), 梁中宁 (NIJMEGEN) 及黄江 (WAGENINGEN)
- 以VCWI会员为主, 组织的体育活动
- 40多名选手代表5个地区参加了团体、男子单打、女子单打及男女混合双打的比赛。进行了约130盘各种比赛, 每位选手平均约6盘




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VCWI 2005年羽毛球锦标赛 (Eindhoven, 5月21日):

- 组委会: 李道平, 李虹, 刘永, 任奇伟, 徐鹰, 张少先, 宗明成
- 以VCWI会员为主, 组织的体育活动
- 大约130人从全荷各地到场, 86名选手参加角逐




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VCWI 2005年夏令营 (Oostduinkerke, 6月10-12日)

- 组委会: 任林, 陈玉森, 刘大威, 范裕健, 刘永, 张少先, 刘春明
- 以VCWI会员和家庭为主, 有组织的聚会活动
- 丰盛, 美味可口的烧烤, 生动活泼的趣味游戏
- 大约108人从全荷各地到场




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VCWI 2005年“IT专业论坛” (埃因霍芬市, 9月17日)

- 组委会: 张禾青, 李中桂, 曾剑明, 俞振华
- 由荷兰华人学者工程师协会和荷兰华人技术发展中心共同在举行
- 大约六十五人参加了这次论坛。四位荷兰华人学者工程师协会会员作了精彩的报告。荷兰华人技术发展中心主席谢华实先生也到会并介绍了中心的一些发展情况。会后大家共进晚餐, 并进行了热烈的交流。
- 此次活动得到了荷兰Telebyte公司的大力支持和赞助。在此表示感谢!




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2005 第二届 V C W I 中荷商务论坛 (Eindhoven, 10月12日)

- 组委会: 范裕健, 刘大威, 陈玉森, 刘永, 张少先, 任林, 戴秀兰, 张禾青
- 论坛的主题内容: 荷兰(欧洲)公司在中国的研发策略; 中荷经济贸易; 全球化生产和技术转让; 人力资源
- 此次论坛得到了荷兰政府经济部, 中国大使馆, 艾因霍芬(Eindhoven)市政府, 荷兰商会, 飞利浦高科技园区的大力支持




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2005 第二届 V C W I 中荷商务论坛 (Eindhoven, 10月12日)

- 本次中荷商务论坛邀请了中荷政府官员, 企业代表, 法律专家和大学教授做高质量的讲演
- 为会员服务, 给会员提供机会, 对会员以优惠待遇
- 2005VCWI中荷商务论坛组委会花费了大量时间精力, 做了大量工作




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VCWI Verenging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会

2005 第二届 V C W I 中荷商务论坛 (Eindhoven, 10月12日)

目的和达到的效果

- 为协会会员提供与荷兰企业, 双边政府官员, 猎头公司, 大学和研发机构的认识和交流平台,
- 大大提高了协会的知名度和与荷兰政府和企业的联系
- 帮助荷兰中小企业进入中国和进一步发展, 促进中荷经济商务发展和交流, 提供进一步机会

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VCWI 中荷商务论坛'04

Session I (Chair: Dr. Mingcheng Zong)

| | |
|---------------|--------------------------------------|
| 15:00 - 15:05 | Introduction Speech, Dr. Yusen Chen |
| 15:05 - 15:20 | Presentation by Mr. Jian Wu |
| 15:20 - 15:35 | Presentation by Mr. Ed van der Feer |
| 15:35 - 15:50 | Presentation by Mr. Ir. Leo Visser |
| 15:50 - 16:05 | Break: coffee and tea |
| 16:05 - 16:20 | Presentation by Mr. Lian-Xing Ma |
| 16:20 - 16:35 | Presentation by Mr. Harrie de Leijer |
| 16:35 - 16:50 | Presentation by Mr. Michel Collet |
| 16:50 - 17:05 | Presentation by Dr. Yujian Fan |

Session II (Chair: Ms. Xiulan Dai)

| | |
|---------------|-----------------|
| 17:35 - 17:45 | Acknowledgement |
| 18:00 - 19:30 | Dinner buffet |

2004会议志愿者
马振华 (Zhenhua Ma)
齐卫宁 (Weining Qi)
詹仁月 (Renyue Zhan)

论坛组委会
陈玉森 (Mr. YuSen Chen)
戴秀兰 (Ms. Xiulan Dai)
范裕健 (Mr. Yujian Fan)
张永青 (Mr. Heqing Zhang)
宗明成 (Mr. Mingcheng Zong)

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薛捍勤大使即席发言 (VCWI 中荷商务论坛'04)

人民网报道
www.people.com.cn

CRI online
国际在线

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VCWI Verenging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会

欧洲华人第一次微电子专业研讨会

暨VCWI 2004年第二次学术讲座
FCPAE 2004年第五次系列研讨会

主办: FCPAE 微电子专业论坛
荷兰华人学者工程师协会

协办: 中国驻荷兰使馆教育处

组委会: 金星, 宗明成, 林海翔, 杨道国, 胡林, 丁铁英

荷兰, 代尔夫特 (Delft)
2004年10月16日

人民网报道
www.people.com.cn

新华网
www.xinhuanet.com

中科院
www.cas.ac.cn

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VCWI Verenging van Chinese Wetenschappers en Ingenieurs in Nederland
荷兰华人学者工程师协会

这两年哪些事情没有做好/做到?

- 我们2004年初发出的调查表只收到九份回执, 远远低于交费会员半数
- 基于网页的讨论: 2010年的欧洲是否及如何在世界科技起主导地位?
- 协会的网页缺少有效的更新及增添新内容, 会员区中参与者不够踊跃
- 2004年底: 成立专业协会 - Xu Shaomin and Helena 提交了想法但没有实现

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荷兰华人学者工程师协会

VCWI参与(合作)的其他活动有:

- 协助CLNL举办"中荷生命科学论坛"
- 欧洲华人微电子专家代表团访问上海和东北地区("春晖"计划项目)
- 与东北三省的代表团座谈
- 与浙江省政府, 辽宁省欧美同学会, 无锡市政府, (2005年10月) 青岛广播电视大学签订了合作意向书
- 参与华人社团举办的纪念邓小平诞辰100周年活动
- 与国家外专局的代表座谈
- FCPAE/VCWI: 国务院侨务办公室赴荷兰"创业政策咨询研讨会"
- 参加华人参政机构(IOC)及一些华人社团的一些活动

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财务报告 (1)

- 到2003年底收支平衡(从上一届转交的账号): 1731.52欧元
- 到2004年底新的收支平衡为 2418.75欧元
- 到2005年底新的收支平衡为 4026.27欧元
- 主要开支: 羽毛球, 乒乓球及夏令营的活动
- 主要收入: 商务论坛及会员费
- 主要赞助: 中国使馆教育处、西荷兰投资局、NV REDE (Municipality of Eindhoven)、High-Tech Campus Eindhoven、代尔夫特理工大学及TU Eindhoven、Telebyte

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2005年会员费: 1,230欧元

VCWI income source

| 收入来源 | 百分比 |
|------|-----|
| 会员费 | 43% |
| 直接赞助 | 47% |
| 间接赞助 | 10% |

2005年工作总结 VCWI Annual Meeting, TU Eindhoven, 11/Dec/05

财务报告 (2)

夏令营收支状况:

| | |
|------------|-----------|
| 烤肉聚餐: | 289,40欧元 |
| 晚会奖品: | 117,07欧元 |
| 支付使馆租房: | 644,00欧元 |
| 使馆教育处赞助夏令营 | 1500,00欧元 |
| 盈余: | 449,53欧元 |

- 羽毛球比赛: 支出 147,03欧元
- 乒乓球比赛: 支出 330,80欧元

2005年工作总结 VCWI Annual Meeting, TU Eindhoven, 11/Dec/05

财务报告 (3)

IT研讨会收支状况:

| | |
|----------|--------------------|
| 场地: | 327,00欧元 |
| 晚餐: | 191,35欧元 |
| 论文打印及其它: | 40,54欧元 |
| 赞助: | 300欧元 + 350欧元(未到位) |
| 支出: | 258,89欧元 |

2005年工作总结 VCWI Annual Meeting, TU Eindhoven, 11/Dec/05

财务报告 (4)

商务论坛收支状况:

| | |
|----------|------------------|
| 场地: | 720欧元(未结算) |
| 晚餐及招待会: | 2584欧元 |
| 论文打印及其它: | 833欧元 |
| 赞助: | 3500欧元(1250尚未到位) |
| 收报名费: | 2355欧元 |
| 盈余: | 1186欧元 |

2005年工作总结 VCWI Annual Meeting, TU Eindhoven, 11/Dec/05

2004/2005年会员发展情况

- 破记录: 一年当中注册的新会员超过70位! 我们现在有会员210多位
- 创记录: 一年当中交纳会费的会员超过90位!

协会通讯及网页:

- 出版了3期协会通讯(2004年发行2期)
- WWW.VCWI.nl, 需要更多的帮助和大家的参与

2005年工作总结 VCWI Annual Meeting, TU Eindhoven, 11/Dec/05



交给下届理事会的是:

- 理事会工作: 透明度, 凝聚力, 知名度, 办实事
- 举办主要活动: 均有支持与赞助
- 收支平衡: 每年都在增加盈余 (当理事, 亏车油费)
- 会员: 积极性上涨, 一起和理事组织并执行主要活动
- 活动与服务: 每年都在增加, 都更实在
- 将协会一些重要活动和对外关系持久连续化



谢谢大家的支持和参与

致谢:

- Eindhoven理工大学 (2005年年会接待单位及主要赞助)
- 中国使馆教育处及其他部门
- Euroland Travel /欧洲圆旅行社
- 本次大会组委会及**项目负责人: 宗明成**, 陈玉森, 张禾青, 俞振华, 金星, 李道平, 胡军, 史平微
- 其他帮助: 刘大威, 范裕建, 戴秀兰, 任林, 马振华, 詹仁月, 王婷, 曹鑫, 张净泽等.





Internationalization in Design Education and Research

Prof.dr.ir. M.J.W. Schouten

TU/e technische universiteit eindhoven

Internationalization in Design Education and Research
Industrial Design
Technische Universiteit Eindhoven
VCWI 2005 Annual Meeting
Sunday, 11 Dec. 2005
Jeroen Schouten

/department of industrial design

TU/e technische universiteit eindhoven

Industrial Design

- TU/e's 9th department
- Why a new education programme and department in parallel with the existing programmes in Mechanical, Electrotechnical, Informatics etc?
- A program, set-up after consultation of industry and market research.

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Market research previous to the establishment of the Department:

- Industry:
 - Discussions with more than 30 product designing and producing companies from Multinational to Small and Medium Sized businesses
- Future students

Result:

- Much interest for a **new type of engineer who works as creative integrator of types of knowledge regarding the development of intelligent products, with a strong user focus.**

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Industrial Design:
Function - Usability - Form - Costs

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Technology

Design

Economy

The knowledge based economy

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A new university program on **Industrial Design**

to support value creation in industry **as a stepping stone between:**

- results of high-tech research based on huge R & D-investments and
- high-value product creation to bring **new technologies to the market**

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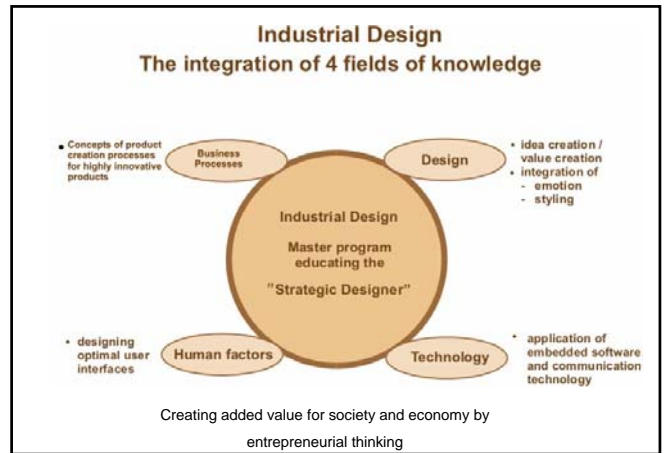
Industrial Design

The program brings together in a powerful and exciting synergy:

- the creative and imaginative approach of **design**
- the precise and rigorous methodology of **science based engineering**
- the **emotion** and **human factors** from people and society
- the entrepreneurial and organizational outlook of **management**

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Industrial Design:
creating intelligent products, systems and services

The mission of Industrial Design

ID creates a profile of professionals capable of strategic conceptual thinking to formulate and develop solutions to problems relevant and meaningful to people using intelligent technology

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Educating the new Ba- and Ma-students, needs:

- a **new content** of the programme
- a **new education model**

Visualize this to the market:

New department

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Important point of interest for the department:

Integration of four philosophies/views:

- technologists/engineering scientists
- creative designers
- specialists on human-, cultural-, social/psychological-, emotional aspects
- Specialists on marketing and business

each with their own background, interests and priorities

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Department of Industrial Design

- Established in 2000: new program/new faculty
- Curriculum started September 2001
- 3 year Bachelor, 2 year Masters
- For selected students: 4 years PhD: - PhD on Design - PhD on Research
- Program in English
- Student intake: 2005: 134 starters
Planning for steady state situation: 120 per year
- September 2004: first Ba-diplomas
- February 2007: first Ma-diplomas

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Some characteristics of the education program

- High technology content
High human factors content
- Value creation, more than value adding.
- Focus on: - problem finding
- problem defining
in combination with problem solving
- Innovative education model
- A company-equivalent education model:
 - student: junior employee
 - staff members: senior employees

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The program is carried out in a continuous interaction with industry in an international setting, with inter-cultural thinking as a natural competence of the graduates.

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A unique competency-based education concept is used

- With **e-portfolio based assessments**,
- **Project centered** with supporting assignments,
- **Mixed teams** of professionals from academic and industry work with the students in a practice related setting,
- Covering the **product creation process** from problem finding and idea generation up to the working prototype.

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Programprofile

Based on competence development (schematic; competencies A, B, C.....)

— Set level Ba — Set level Ma

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Programprofile and Studentprofile

Based on competence development (schematic; competencies A, B, C.....)

— Set level Ba — Set level Ma — Example: actual profile of a student between Ba and Ma

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A new learning environment needs a new physical and digital environment




Studio lab

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The content of research of the faculty ID

with

- design of intelligent products, systems and services
- integrating Design, Technology, People and Business

is

Ambient Intelligence:

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Ambient Intelligence

In many cases the intelligent products are networked and integrated in our living environment to support our activities and presenting services in e.g. the home, car, office, care environment: Ambient Intelligence/Ambient Care-environment


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Examples

- Intelligent Hospital : operation room of the future
- Intelligent Home
- "Soldier of the future"
- Intelligent Clothing
- Intelligent Factory
- Car-interior: Intelligent Car
- Intelligent home for the elderly
- Intelligent care environment



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Research domain
Ambient Intelligence

With application field
Ambient Care

designing intelligent products/systems/services for

- personal health care
- prevention
- care for the elderly
- sports

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Care for the elderly e.g.:

Design of products/systems and services using selflearning and adaptive, but invisible technology compensating for gradually decreasing functionalities of elderly people.

Special emphasis on 'automatic' user interfaces

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Research:

- "PhD on Research"
- "PhD on Design"

The typical deliverable of this work is:
thesis + a product prototype

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**The physical/digital
Industrial design Laboratory
as a design tool**

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The Industrial Design Laboratory

An (ambient) intelligent integrated education/research/design-environment for students and staff from academia and industry, integrating

- education
- research
- design from idea creation to prototype building and testing
- user perception research
- industry cooperation

In a practice related setting.

*Not the traditional laboratory as a separated part in the Department's building but
The Industrial Design Laboratory
IS
The Department of Industrial Design*

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Designing, manufacturing and selling of innovative intelligent consumer and professional products is an International and Intercultural activity with global production for global markets

An international and intercultural focus is one of the competencies of ID-graduates.

International and intercultural cooperation and exchange is part of the education program for Ba- and Ma-students

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Internationalisation

- International internship in the third year for all students
- International Masters Programme
- International cooperation in research and PhD-projects

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**The International/Intercultural Design Laboratory
(Ambient Intelligence Laboratory)**

A global chain of Strategic Partners:

High level teams of researchers/designers and students work together at distance on projects, designing innovative products while bridging cultures.

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- Newest technology, design software and communication tools are used.
- To support communication:
24-hours continuous video-walls to each of the locations create 'proximity' between the teams as a "mental connector" between people giving the one-team-different-locations experience.

This is the Ambient Intelligence environment as an education tool to enable design processes and interaction.

Students prepare themselves for a leading position in multinational/multicultural industry and business.

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The new education model at TU/e Industrial Design

prof. loe feijs



Causes

- Business thinking:
 - strategic partners
 - declining markets, new markets
- Societal trends:
 - design is attractive, "hot"
 - more added value through design
- Needs expressed by industry:
 - strategic thinking
 - intelligent products
 - continuous learning
 - young employees not to be re-educated

Decisions

- Funding from TU/e
- Asking the industry's opinion
- Agreements with strategic partners
- Board from within TU/e
 - Educationalists
 - Mechanical engineering
 - Embedded systems engineering
- All resources to be hired
 - Philips design
 - Design academy
 - External companies
 - Other departments of TU/e

Innovations

- New education model
 - Portfolio, not numbers
 - Competencies, not topics
 - Learning by doing, not by listening
 - Assessment, not topic-wise examination
 - Student=junior employee, not "consumer of knowledge"
- New contents (at least for TU/e)
 - Design
 - Technology
 - Psychology
 - Business

Competencies

| | |
|---|--|
| <p>Core Competencies</p> <ol style="list-style-type: none"> 1. Ideas and Concept 2. Integrating technology 3. User Focus and Perspective 4. Social and Cultural Awareness 5. Market Orientation 6. Form and Senses | <p>Meta Competencies</p> <ol style="list-style-type: none"> A. Multidisciplinary teamwork, communication and professional conduct B. Design and research processes C. Self-directed and continuous learning D. Formal modelling |
|---|--|

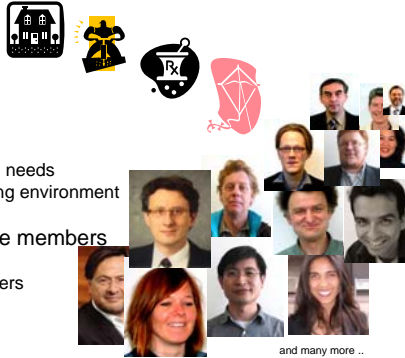
Activities

- Assignments (40% of student's time)
 - One topic each
 - Student chooses
 - Small groups (12-20)
 - Introductory lectures
 - 40 hours individual work
 - Oral + written feedback
- Projects (60% of student's time)
 - Real client
 - Integrating knowledge sorts
 - Within an application domain
 - Finding and consulting experts
 - Teamwork & planning (e.g. 12 weeks)
 - Presentation to client, coach and experts
 - Oral + written feedback (goes as "evidence" into portfolio)



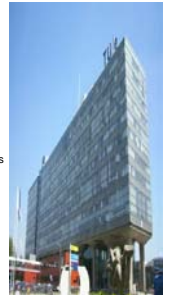
Applications

- Four domains:
 - Work
 - Home
 - Health
 - Entertainment
- Role of domain
 - Window to societal needs
 - Provide rich learning environment
- Staffed by part-time members
 - TU/e researchers
 - Practicing designers



Developments

- Inviting other department's teachers
 - "we are too busy"
 - "we need precise specifications"
 - "for intelligence you need sensors"
 - we can't teach sensors without physics
 - we can't do physics without mathematics
 - we can't introduce mathematics without logic
 - the formal basis of logic is in lambda-typed lambda calculus



- Explaining industrial design to the TU/e
 - "is this some kind of fun program?"
 - "what is the disciplinary kernel of design?"
 - "will you give us money so we do your research?"
- Towards a real ID department (not virtual)

Research

Driving the discipline from within

- Designed Intelligence group
 - technology & design
 - 4D sketching, distributed media, robots, rich interaction, the nature of intelligence
- User Centered Engineering group
 - the user & design
 - human computer interaction, user-research methodology
- Design theory and strategic practice
 - formgiving & design
 - professors to be appointed soon
- ...



Reflection

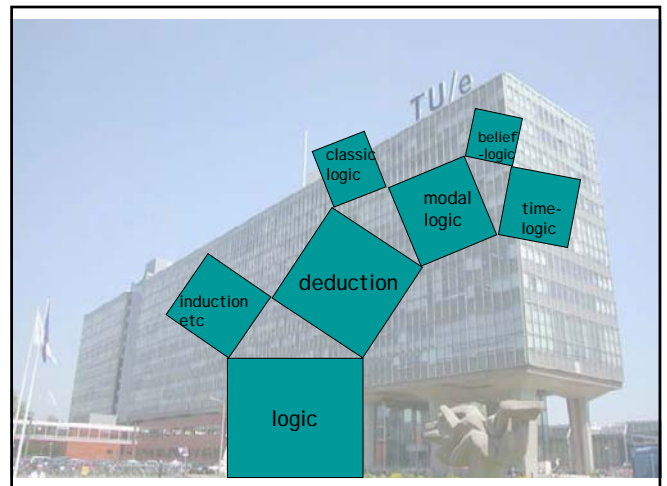
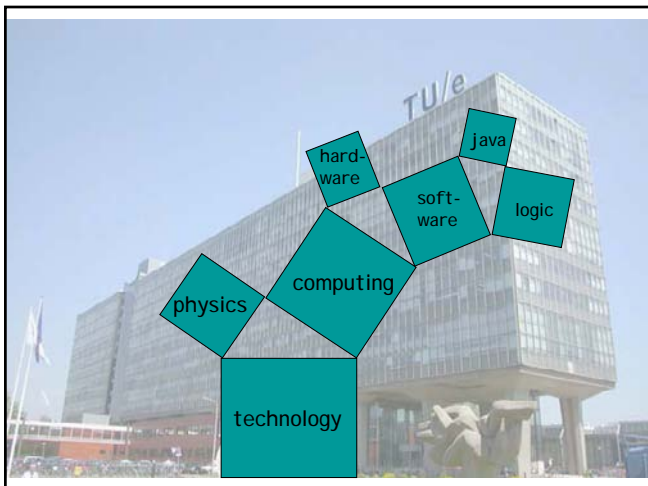
A fascinating melting pot

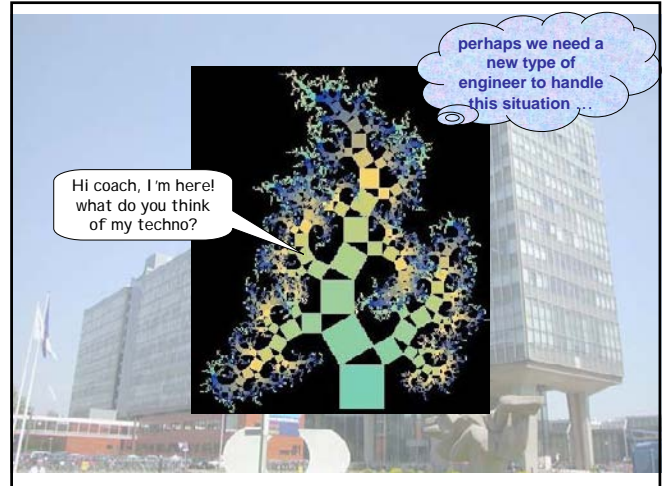
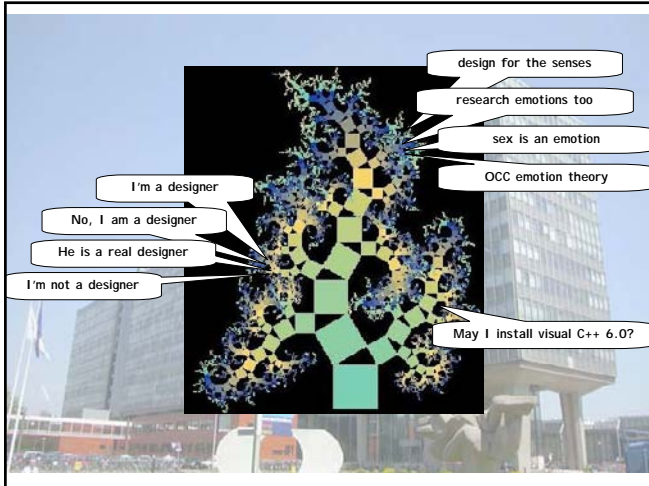
- students
- designers
- businessmen
- psychologists
- computer scientist
- mechanical engineers
- artists, educationalists



But what does it all mean?

- ...





Der Postmodernismus hat erbarmungslos zugeschlagen

Modern:
scientific progress = human progress

Postmodern:
the fractal structure and the amount of knowledge has become a problem in itself

Scientific progress = human progress?
in the western world, just more food, faster cars, more shavers, more televisions etc. don't improve the quality of life; people need tools for sharing their creativity (Kyffin's "open tools"), sharing responsibility (Manzini's "sustainable everyday")

the "producers" and users of knowledge must translate whatever they want to invent or learn into computer languages (Lyotard, '79)

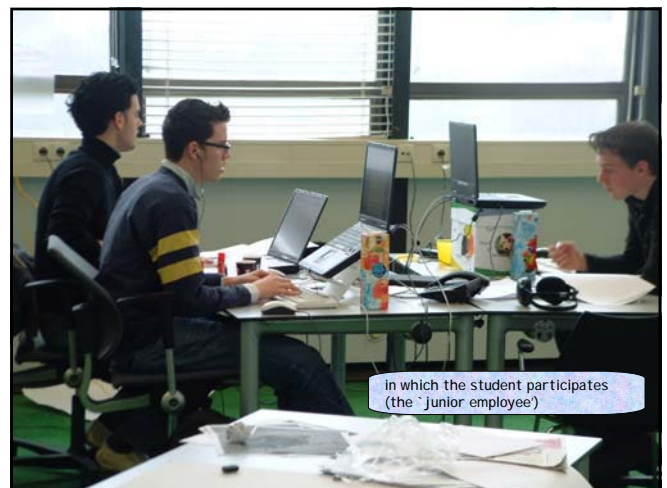
signs do not refer simply to reality but more and more to "simulations" (Baudrillard)

we try to address in education and research those topics where the digital and the physical appear both

therefore we create a rich environment

we try to address in education and research those topics where the digital and the physical appear both

$$\begin{aligned} & \frac{1}{5} V_2 - \frac{1}{25} V_1 \\ & = \frac{10}{25} V_2 - \frac{1}{25} V_1 \\ & = \frac{1}{25} V_1 \end{aligned}$$

$$\begin{aligned} I_1 V_1 &= -\frac{7}{25} V_1 + \frac{22}{25} + \frac{1}{5} V_2 \\ + \frac{1}{10} V_1 &= \frac{3}{5} + \frac{1}{5} V_1 - \frac{6}{25} V_2 \end{aligned}$$




Observations

Roy Damgrave (21) uit De Lutte, student Industrial Design aan de TU Eindhoven, ontvangt op 5 december a.s. de door Goudappel Coffeng uitgelopen Theo Makink Parkeerprijs van 1.500,- euro voor zijn idee Parking Jan. De prijs wordt uitgereikt op het kantoor van Goudappel Coffeng in Deventer.

Observations

- The students tend to know themselves
- Several students win prizes and awards
- Several student papers at professional conferences
- TU/e supervisory board was impressed by demos
- Staff members enjoy rich and mixed environment
- Supervisors of internships are very enthusiastic

Objections

- it is not easy to motivate young people of the D&G, GTA, SMS generation
so we have to take their ambitions and the new technology very serious
- their progress isn't measured with grades
indeed, we do not take exact measurements of irrelevant parameters
- the student ends up with gaps in his knowledge
doesn't that apply to all of us?
- the students will become all different
yes, they become what they want, not what someone else wants
- the new design engineers are not like the old ones
which is precisely what the industry asked for


thank you for your attention

TU/e and Northeastern University collaboration in biomedical engineering

Prof.dr.ir. Bart M. ter Haar Romeny

罗百一 教授

TU/e technische universiteit eindhoven



Collaboration TU/e – Northeastern University

Medical Imaging & Bioinformatics


Prof.dr.ir. Bart M. ter Haar Romeny
教授 罗百一

Department of Biomedical Engineering
Biomedical Image Analysis

B.M.terHaarRomeny@tue.nl www.bmi2.bmt.tue.nl/image-analysis/

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The revolutions:

- medical imaging
- molecular medicine

The partners:

- TU/e and NEU
- Philips and Neusoft

The need:

- computer-aided diagnosis
- bio-informatics

The collaboration:

- Education
- Research

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THE REVOLUTIONS :

Medical imaging is big business:

- 1/3 of hospital's equipment is for medical imaging
- 80% of all diagnoses are done on images
- 800 bed hospital: 20 Terabyte/year, stored for 10 yrs
- Sector grows steadily by 5% per year
- GE, Philips, Siemens: billions of dollars markets
- Philips Medical Systems: 22% 30% company turnover



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Radiological Society of North America: 65.000 participants
European Congress of Radiology: 13.000 participants



"Imagine" exhibit at ECR

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Röntgen – X-ray


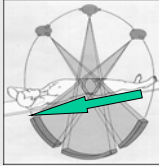





1895: Wilhelm Conrad Röntgen (1845-1923) discovers X-rays on 8 November 1895
1901: Röntgen receives the first Nobel prize in Physics on 10 December 1901

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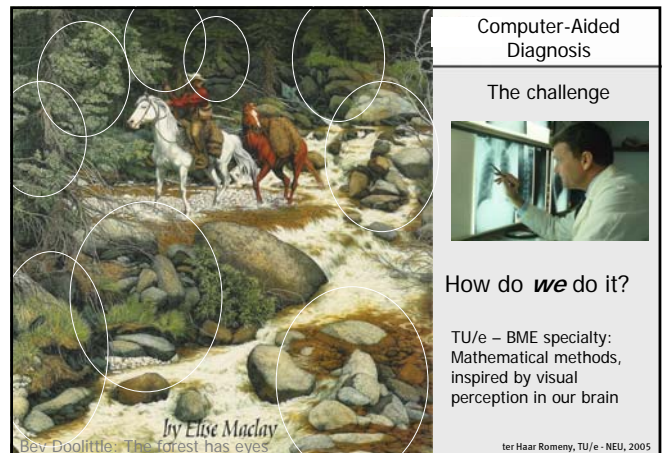
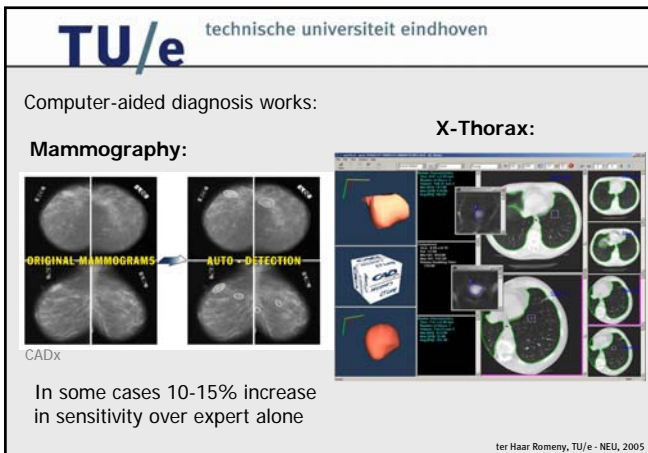
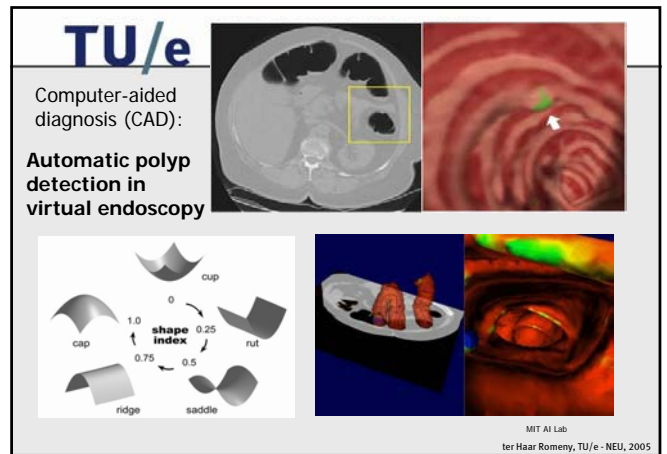
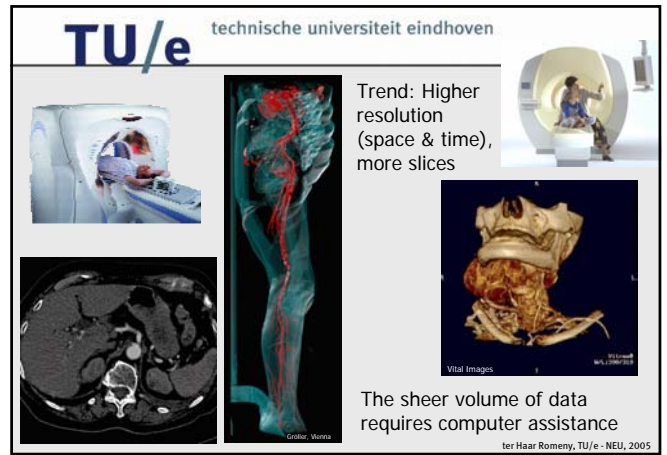
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Computer Tomography


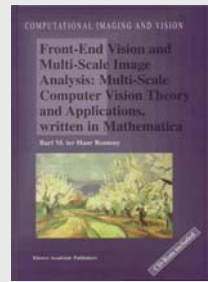
Huge increase of data:
multi-slice CT: 4 - 64 slices (per rotation in 0.5 second);
whole body trauma scan: 21 sec

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Multi-Scale Image Analysis

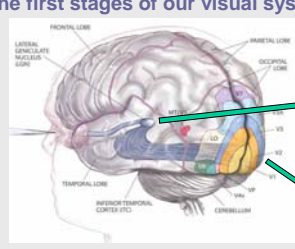

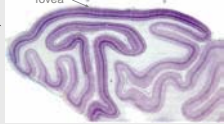
Biologically inspired computer vision
→ **bio-mimicking**

<http://www.bmi2.bmt.tue.nl/image-analysis/education/courses/FEV/course/index.html>

ter Haar Romeny, TU/e - NEU, 2005


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The first stages of our visual system

Visual cortex : Accurate map

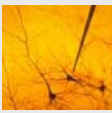
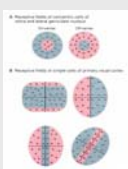
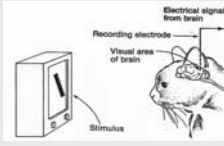
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David Huvel
Torsten Wiesel


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Trend: Bio-mimicking visual perception

Electrical signal from brain
Recording electrode
Visual area of brain
Stimulus

In the visual cortex the first analysis takes place



Model:
several orders
Gaussian
derivatives


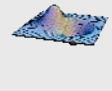
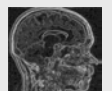

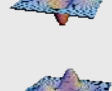


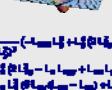

Receptive fields measure spatio-temporal structure

differential geometry

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The visual system measures changes in place and time: derivatives

1st order

2nd order

3rd order

ter Haar Romeny, TU/e - NEU, 2005

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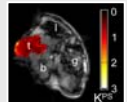
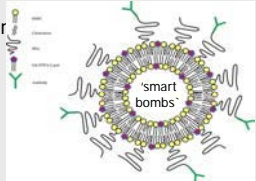
THE REVOLUTIONS :

Molecular Imaging:
new contrast agents from molecular engineering

Dendrimers – B. Meijer TUE

Nuclear Medicine can detect picomolar (10⁻¹²) concentrations, MRI to 10⁻⁴ molar

New molecules:
- antibody / ligand binding
- 90.000 Gadolinium atoms
- container for pharmacon
- less side effects
- targeted chemotherapy

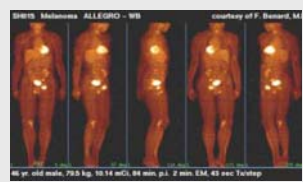
Structured liposome, W. Mulder, TU/e

ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven

Detect and treat symptoms of illness *before* the illness gets serious: *predictive en preventive* health care.

- Early detection and characterisation of the disease
- Understand the biology
- Start earlier with therapy



SWISS Medwires ALLEGRO - WB courtesy of F. Bessard, M

66 yr. old male, 75.5 kg, 16.14 mCi, 84 min. p.i. 7 min. EM, 43 sec. Tc1step

ter Haar Romeny, TU/e - NEU, 2005



TU/e technische universiteit eindhoven

A biomembrane consists mainly of (phospho-) lipids

Molecular Modeling (Hilbers)

stearic acid

dipalmitoylphosphatidylcholine (DPPC)

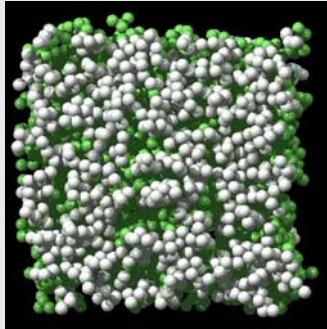
1-stearoyl-2-oleoylphosphatidylcholine (SOPC)

polar hydrophilic

apolar hydrophobic

ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven



Dynamic modelling of vesicle formation

ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven

东北大学 Northeastern University

Sino-Dutch Biomedical and Information Engineering School of Northeastern University

- Started September 2005
- Start with 30+30 students
- Finally 1000 students
- Some MSc and PhD to TU/e
- Masterclasses by TU/e
- Authority for PhD



Dean: Prof. Dai Jian-Ping MD Beijing Tiantan Hospital

ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven

东北大学 Northeastern University

The Partners : Northeastern University and Neusoft, Shenyang, China

Neusoft factory



Northeastern campus



BME

ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven

东北大学 Northeastern University



Mr. Jiren Liu, CEO Neusoft
Prof. Bart ter Haar Romeny, TU/e



New Joint School building at NEU campus, Shenyang

ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven

东北大学 Northeastern University

THE PARTNERS : TU/e Biomedical Engineering

Goal:

- learn the functioning of the human body
- learn mathematical models and computer simulations
- critical analysis of measurement methods
- design of new materials and techniques


3 Master tracks BioMedical Engineering:

- Biomedical Imaging and Modeling
- Biomechanics and Tissue Engineering
- Molecular Engineering

1 Master track Medical Engineering

Started in Sept. 1997

- 475 students
- 75 staff




TU/e technische universiteit eindhoven

/in samenwerking met Universiteit Maastricht


ter Haar Romeny, TU/e - NEU, 2005




TU/e technische universiteit eindhoven
Labs at TU/e




Cardio-vascular lab



small-animal 6.3 T MRI



Imaging & Modelling lab



Interactive viewing

ter Haar Romeny, TU/e - NEU, 2005

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Education (TU/e specialty):
Design Centred Learning

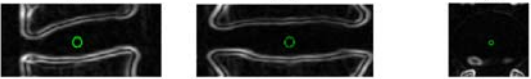



- Goal: learn students to design solutions to complex problems
- More self activity by students, less oral lectures
- Develop team skills
- Start in larger teams, later more individual
- Great success, students are challenged, work hard

ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven

Example of 4th year Design Centered Learning student project:
 • Individualized inter-vertebral disk design from CT scans (with TNO Industry)

A virtual balloon is blown up in the inter-vertebral space


STL model for automated disk manufacture

E. Bennink, TUE-BME

ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven

| | | |
|----------------------|-----|-----------------------------------|
| 1 st year | BSc | Group of 8, 4 weeks halftime, 3x |
| 2 nd year | BSc | Group of 8, 8 weeks halftime, 2x |
| 3 rd year | BSc | Group of 4, 6 weeks halftime, 3x |
| 4 th year | MSc | Group of 2, 3 months halftime, 2x |
| 5 th year | MSc | Group of 1, 9 months fulltime, 1x |



Always: write report, in English, from year 2.
 From year 2: English presentation (15 min).

ter Haar Romeny, TU/e - NEU, 2005


TU/e technische universiteit eindhoven

Advise: high-level design software: Mathematica 5

A comprehensive and complete rapid prototyping library of advanced image analysis functions in *Mathematica*

- Extensive symbolic and fast numerical toolbox
- Complete, -all- math on board
- Notebook interface integrates report and code
- Steep learning curve
- Platform independent
- Ideal for design of algorithms
- Ideal for students and researchers
- Parallel, Java embedded, MathLink

URL: www.wolfram.com
www.mathvisiontools.org



ter Haar Romeny, TU/e - NEU, 2005

TU/e technische universiteit eindhoven

STUDYTOUR CHINA 2006 BME OVER THE WALL

32 TU/e BME students will make a 2-week studytour to China
 24 March – 9 April 2006

- Shanghai – Fudan U, Jiao Tong U
- Hangzhou – Unilever, Zhejiang U
- Najing – Southeastern U
- Beijing – Tshinghua U
- Shenyang – Northeastern U, Neusoft



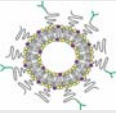
<http://www.protagoras.tue.nl/studytour/>

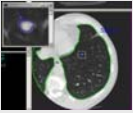
ter Haar Romeny, TU/e - NEU, 2005





TU/e technische universiteit eindhoven


Results


Molecular Imaging 

Computer aided diagnosis & therapy 

Huge amounts of data, preventive medicine, screening 

Interactive visualisation of anatomy and function 

Bio-mimicking 

Web services 

Strong need for BME engineers

ter Haar Romeny, TU/e - NEU, 2005



Chinese and Dutch Education --- Some observation

Haixiang LIN
VCWI/TU Delft

Before entering university

- Very high competition: lots of home work, extra curricular lessons
→ emphasize on the “knowing” of knowledge, less on ability such as social skills
- Highly focused on the final exam: lots practice for skills of solving exercises
- Enormous pressure: the only way to success (used to be and now still in large extent).
- The culture factor: education is everything
- Relaxed, broad knowledge
→ little emphasize on math. and physics, ability (social skills, discussion and argumentation);
- Not only the final exam but the daily scores also count;
- There are many ways to enter a university (VWO: 1 step; HAVO->VWO/HBO->WO; MBO->HBO->WO). Depends on own interest.
- “whatever will be will be”?

Higher Education Systems

- Huge differences: 1st class state-key universities (with a small elite group among them); 2nd, 3rd class, etc.
- Trend: universities are aggregated into huge university;
- Fast increase in the number graduate students in recent years;
- Homogeneous: 13 univ.s are equal (different to universities of professional education only);
- Trend: even the above distinction is challenged (by averaging the quality?);
- Decreasing number of students

At the university

- Bachelor 4 years; Master 2/3 years; PhD 4/3 years; (M+PhD: 6 years)
- More relax (drop out is quite low, a few percentage);
- Science and technology studies are very important
- Bachelor: 3 years, Master 2 years, PhD 4 years;
- Hard working starts at the university (high drop out ratio, ca. 50%);
- “soft” studies (e.g., law and management) are much more popular

Some more observations ☺

- You have to take exams for your Master or PhD position;
- Obligatory courses in both Master and PhD program
- Good concentration and can do in depth research (solitary);
- Results of past performance is used as criterion for Master or PhD position;
- No (few) obligatory PhD courses
- Good organizational ability and can deal with research in complex problem;





荷兰华人学者工程师协会 (VCWI) 理事会竞选名单

(以候选人英文名为序)

如果你是 VCWI 会员,并已经交纳 2005 年会费,由于种种原因无法出席本次年会,但是你想参加投票选举新一届 VCWI 理事会,请委托其他 VCWI 会员到会场代表你投票.每位 VCWI 会员最多只可以代投壹张选票.

联络人: 张禾青 (手机: 0644632260 / Email: spin.hq@gmail.com)

金 星 (手机: 0623895388 / Email: sing@jin.fol.nl)

| | |
|----------------------|--|
| 姓名 | 陈玉森 Chen Yusen |
| 何时加入 VCWI | 1999 年 |
| 工作和社团经历 或 自我介绍 | 1983-1987: 中国交通部研究院, 工程师 1987-1993: 法国国立路桥大学校(ENPC), 硕士和博士学位 1993-1996: 兰德公司欧洲部, 咨询工程师 1996 至今: DHV 公司, 交通规划部门的技术主管经理; 从 2003 年起被聘兼职 TU-Delft 指导博士生 2004-2005: VCWI, 现任主席 |
| 竞选主张 | 巩固 VCWI 作为交流共享的平台, 倡导 VCWI 成员团结与共识, 体现与发挥 VCWI 及成员的特点及价值 |
| 姓名 | 胡军 Hu Jun |
| 何时加入 VCWI | 2003 |
| 工作和社团经历 或 自我介绍 | 工作: 1990-1994 江苏石油勘探局南京计算中心(程序员/ 助理工程师) 1994-1996 陕西建设集团计算中心(高级程序员/工程师) 1996-1999 西北大学可视化研究所(系统分析员/高工) 1994-1999 北京华昌新业物探技术服务有限公司兼职软件开发 1999-2001 Eindhoven University of Technology (Research Assistant) 2001-2003 NatLab, Philips Research (PhD, Research Assistant) 2003- Department of Industrial Design, Eindhoven University of Technology (Assistant Professor) 社团: 1992-1994 共青团江苏石油勘探局南京计算中心总支部副书记 1996-1999 西北大学可视化研究所研究生会主席 |
| 竞选主张 | 为人民服务。 |
| 姓名 | 任林 Ren Lin |
| 何时加入 VCWI | 1998 年 |



| | |
|----------------------|---|
| 工作和社团经历 或 自我介绍 | 1988 西安交通大学电子工程系硕士学位毕业 1988-1989 西安交通大学电子工程系助教 1993 Eindhoven University of Technology, Electrical Engineering 博士毕业 1994-1997 瑞士洛桑高等理工学院光电研究所博士后 1997-2001 荷兰爱立信研究开发部高级软件工程师 2001- 荷兰飞利浦公司高级软件工程师 2004 - 2005: VCWI 理事会理事 |
| 竞选主张 | 为会员服务, 为 VCWI 的拓展尽一份力。 |
| 姓名 | 史平微 Shi Pingwei |
| 何时加入 VCWI | 2000 年 |
| 工作和社团经历 或 自我介绍 | 1986 年于北京大学无线电电子学系学士学位毕业 1986 ~ 1993 年在中国计量科学研究院任工程师 1995 年于比利时鲁汶大学电子工程系硕士学位毕业 1996 年至今在荷兰飞利浦公司任高级工程师 |
| 竞选主张 | 让我们的生活更丰富多彩 |
| 姓名 | 王户贵 WANG Hugui |
| 何时(或即将)加入 VCWI | 1997 年 |
| 工作和社团经历 或 自我介绍 | 1982 - 1989 : 西安交通大学, 3 机部 212 厂 1989 - 2003 : TU Delft, University Wageningen, Stork, Bronswerk 2004 至今 Philips DAP in Hoogeveen |
| 竞选主张 | <ol style="list-style-type: none"> 1) 贡献于 VCWI 2) 架起沟通新老会员的桥梁 3) 增进荷兰南北方的联系 4) 创造更强壮, 健康, 快乐的 VCWI |
| 姓名 | 王伟民 Wang Weimin |
| 何时加入 VCWI | 2005 |
| 工作和社团经历 或 自我介绍 | 1991-1999 TU-Delft 1999-现在 TNO |
| 竞选主张 | 为人民服务 |
| 姓名 | 徐飙 Xu Biao |
| 何时加入 VCWI | 2002 年 |
| 工作和社团经历 或 自我介绍 | 1992-1995 兰州炼油厂(团支部书记) 1998-2001 TUE 2001 至今 Philips TASS |
| 竞选主张 | 交流和凝聚 |
| 姓名 | 于兵 Yu Bing |
| 何时加入 VCWI | 2005、11 |



| | |
|----------------------|---|
| 工作和社团经历 或 自我介绍 | 目前在荷兰皇家哈斯康宁集团凡霍腾咨询工程公司工作。曾任职荷兰代尔夫特大学，并担任过第七届全荷同学会主席。 |
| 竞选主张 | 凝聚华人学者工程师力量，沟通海内外渠道，提升华人在荷兰社会的影响与地位，实现社团的良性发展。 |
| 姓名 | 于佳 Yu Jia |
| 何时加入 VCWI | 2004 正式加入 |
| 工作和社团经历 或 自我介绍 | 2003.7 - 现在 Imtech Marine & Offshore - 中国平台经理 1998-2002 在大学里担任过宣传部部长，报刊编辑 性格较为外向，但近年来有趋内的趋势。 |
| 竞选主张 | Given a try, I will do my best. |
| 姓名 | 赵志明 Zhiming Zhao |
| 何时加入 VCWI | 2004 年正式加入华人学者工程师协会。 |
| 工作和社团经历 或 自我介绍 | 我目前在阿姆斯特丹大学计算机系从事电子科学(e-Science)和网格计算方面的研究工作,并负责所在项目中的和中国研究单位的协调联络. 我是 1997 年来荷兰特温特大学做短期访问, 98 转阿姆斯特丹大学工作. 我 1999 年开始攻读博士学位(方向为交换仿真系统中的流控制), 并于 2004 年获得学位. 在来荷的这些年, 我积极参加全荷同学会和阿姆斯特丹分会的各项活动. 在第八届(99~01)全荷同学会中担任常务理事(组织部长), 并在其后的几年中担任阿姆斯特丹分会的主席和同学会会刊“郁金香”杂志编辑. 在这期间, 我策划过多个大型的同学会活动, 并在同学会组织建设, 部以及联系阿姆斯特丹大学, 使馆教育处和其他侨团的方面做了大量的工作. 在当地同学中有较高的威信. 我是 04 正式参加工程师协会, 但在此以前我作为同学会的联系人已经和工程师协会有过大量的接触. 并积极地协助工程师协会的一些活动策划(例如 03 年在 Haarlem 的 FCPAE 年会). 在我最近几年的工作中, 随着和国内单位联系的增多(我负责我们单位一些项目和国内研究单位的协调联络), 我越发体会到工程师协会这个平台对我的重要. 一方面 作为一个工程师协会的会员, 我可充分共享协会的信息和经验并运用于为我自己工作中的和国内单位的合作联系里(在工作的这几年, 我常协助阿姆斯特丹科技园开发公司接待中国公司). 另一方面通过这些工作也可以在我所涉及的方面提升我们协会的影响力, 从而为协会提供有用的信息和经验. 工程师协会中不同领域的专业人士以及他们的丰富经验为我个人发展提供极具价值的参考和帮助. 所有这一切都让我深深地体会到一个象工程师协会这样的社团对我的重要. 为了激励我更好地为协会服务, 我特报名参加新一届的理事会. 通过选举这一过程让协会其他会员了解我和批评帮助我. 如果我能当选, 我将发挥我目前和阿姆斯特丹大学以及科技园已有的联系这一优势来更好地服务协会, 并更好地开展协会在阿姆斯特丹地区的工作. 当然无论选举的结果怎样, 不会改变的是我为协会服务的热情. |
| 姓名 | 宗明成 Zong Mingcheng |
| 何时加入 VCWI | 2000 年 |
| 工作和社团经历 或 自我介绍 | 2004 - 2005: VCWI 理事会理事 2000 - 至今: ASML B.V. 高级设计工程师; 1998—1999: TUDelft & AMOLF (FOM institute / Amsterdam)工作; 1990 - 1997: 北京交通大学工作; 1989 年获清华大学博士学位。 |
| 竞选主张 | 继续努力工作，为广大会员服务，增强 VCWI 的影响力，搭建良好的交流平台。 |





Introduction to VCWI

VCWI Organisation

VCWI Introduction

Founded in 1997, VCWI (Vereniging van Chinese Wetenschappers en Ingenieurs in Nederland) is a non-profit and independent association that consists of a group of highly educated Chinese in the Netherlands who are being employed by research institutions, industrial sectors, universities and governmental departments in the Netherlands.

The objects of VCWI are to set up a friendly, leisure and communication network among Chinese scholars and engineers in the Netherlands; to promote Sino-Dutch bilateral exchanges and cooperation in terms of science, education, technology, industry and business; and to help members integrated with Dutch society.

VCWI Members

Currently, VCWI has some 190 members, among of those 82% hold their PhD degrees (Doctorates), the rest hold mostly Master's degrees.

There are two unique characteristics of the VCWI member composition. Members possess dual-culture due to the fact that they are working and living in the Netherlands with major mainland-China origins. Members are highly educated professionals with major technical background.

VCWI Activities

During the past years, VCWI has organised various attractive activities such as VCWI annual meetings, workshops, symposia, seminar, summer's camping, children concert, weekend vacation, table-tennis, bowling, badminton tournament and get-together dinners, and so forth. We can group roughly the activities as follows.

Promoting exchange/ cooperation between the Netherlands and China. For example, seminars, workshops and forums on Science & Education, EU and China; colloquium about exploring business and markets in both Netherlands and China; keeping and developing contacts in China by providing help to Dutch institutes interested in China; hosting Chinese delegations; and visiting China with cooperation intention and proposed projects.

Organizing friendly, leisure and communication network and activities. For example, summer camping and weekend vacations; sports of badminton, table-tennis, bowling, bridge; seminars on better living in the Netherlands; children and other family activities, as well as get-together dinners.



Each year, VCWI organizes an annual meeting with interesting topics and home affairs. With VCWI newsletters, website, email facilities and networking, we provide a meeting and networking platform for both our VCWI members and outside world.

Sponsors

VCWI is a non-profit, independent organisation in the Netherlands. However we welcomes all kinds of sponsorships. For the fast development and great achievements, we appreciate greatly and would like to thank all the supports from our sponsors.

Please use the following account for all your contributions and donations

VCWI

Girorekening: 6199668

Hongerberg 22, 5508 BP Veldhoven

VCWI Board and contact

VCWI board performs the leadships and administration of the association. All of the VCWI board members and other worker are volunteers. The board is elected in the VCWI annual meetings every 2 years. The current VCWI board has been serving from 12/2003 – 12/2005.

You are welcome to make contact with VCWI:

Email: Board@VCWI.NL

Website: www.vcwi.nl

Postal Address: VCWI, Postbus 308, 5500 AH Veldhoven, the Netherlands



欧洲华人专业协会联合会(FCPAE)微电子专业论坛

www.fcdae.com

“欧洲华人微电子专业论坛”简介

“欧洲华人微电子专业论坛”(全称:全欧华人专业协会联合会微电子专业论坛)成立于2004年6月,是全欧洲性的华人科技专业组织,依托于“全欧华人专业协会联合会(FCPAE)”。她以荷兰为基地,成员遍布欧洲各国,以在欧洲的大学、研究所和公司工作的华人微电子专家为主。“论坛”所有成员都具有硕士以上的学位,其中约64%的成员具有博士学位。在目前的72位成员中,有5位是在读硕士、博士研究生,其余67位均在欧洲或国内工作。

“论坛”的宗旨:—同行联谊,关注国内,共同发展。

- 联系欧洲华人微电子专家,为会员提供相互交流的平台;
- 发挥团队优势,促进欧中在微电子技术领域的交流与合作;
- 关注中国集成电路行业的发展,鼓励和帮助会员以团队的形式为国服务和回国创业。

活动的形式:举办联谊活动和学术讲座,不定期的组织回国科技考察和服务团。

重要活动:

“论坛”于2004年10月16日在荷兰代尔夫特成功地举办了“欧洲华人首届微电子专业研讨会”。中国的重要新闻媒体对本次研讨会进行了报道,给予高度评价,如,《人民日报》(海外版2004年11月03日),《神州学人》(2004年10月28日),新华网和集成电路产业网等。

由“论坛”的11位专家组成的“欧洲华人微电子专家代表团”,在中国驻荷兰使馆教育处积极地推荐下,得到了教育部“春晖计划”的大力支持。代表团自2005年6月16日至7月1日在上海和东北地区成功地进行了访问和服务活动,受到了各方面热情欢迎与接待,取得了丰硕成果。“代表团”的所有成员都具有博士学位,分别来自欧洲各国(德国,奥地利,比利时和荷兰)的半导体公司、研究中心和大学,如飞利浦半导体、英飞凌、瑟思、阿斯麦、ASMI、IMEC和代尔夫特大学等。

受上海地区的邀请,IC_Forum将于2006年上半年再次组团访问该地区的高校和研究所,并进行学术交流。

**欧洲华人专业协会联合会(FCPAE)微电子专业论坛**www.fcdae.com**会员:**

- 1: 在欧洲半导体公司、研究所和大学工作的工程师、学者或同等条件的微电子技术专业人士。
- 2: 曾经在欧洲半导体公司、研究所和大学工作或学习过, 现已回到国内从事微电子行业的人士。
- 3: 在欧洲的研究所或大学正在学习或进修的研究生、进修生。
- 4: 对 IC 行业和本论坛感兴趣的非 IC 方面的专业人士。

机构:

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About CNLN

Chinese Network of Life-sciences in Netherlands (CNLN) is an internet-based network which aims at promoting scientific and social communications among Chinese life-science researchers in Netherlands. It was set up in 2002 and currently has about 120 registered members. CNLN keeps a close partnership with organizations such as the Society of Chinese Scholars and Engineers in Netherlands (VCWI).

The core activities of CNLN are:

- Networking to stimulate the interactions and collaborations
- Organizing interdisciplinary scientific workshop
- Organizing topic-based workshop
- Organizing social and sport activities

CNLN has successfully organized three annual forums in Wageningen (2003), Leiden (2004) and Groningen (2005).

For more information, visit our website as <http://www.hybtech.org/CNLN.htm>



