

MERGERS.

Demande de subvention PIRSTEC – colloques scientifiques technologies cognitives

Arguments

Ce projet sur des « CONVERGEANCES » relève d'un domaine résolument **stratégique**, et ce, sur trois plans que nous pouvons hiérarchiser de la manière suivante :

1. La matière traitée **soulève naturellement des questions d'éthique concernant notre Science** ainsi que les technologies qui en découlent. Suscitant les niveaux supérieurs de la cognition humaine (affectivité, les croyances, les intentions, les désirs...), les technologies cognitives ont tendance à transformer notre vision du monde et nos possibilités d'action. Cela change notre rapport aux sciences. Les couches hautes de notre activité mentale sont la visée de ces technologies.

2A. Les notions abordées sont immensément **attirantes pour les jeunes qui hésitent encore à se tourner vers la recherche** et pour les jeunes scientifiques au début de leur carrière. Il s'agit d'un domaine dans lequel le rêve a sa place : c'est essentiel pour l'image de la Science, et ainsi, son avenir.

2B. Le sujet est également stratégique en ce qui concerne les **applications** qui deviendraient réalisables, elles seront **davantage en phase avec la société** si notre activité mentale est façonnée de telle sorte que nos technologies cognitives restent fonctionnelles sur un plan éthique.

Au niveau de la valorisation de notre contenu scientifique, l'ensemble des documents sera publié en-ligne sur le site de la conférence. Une sélection d'articles fera courant 2010 l'objet d'un ouvrage de qualité (en-ligne et imprimé).

Nous avons intégré les enjeux sociétaux ainsi que les bouleversements possibles dans notre domaine dans la description plus bas de cette conférence —il s'agit d'un extrait de l'Appel de communications. Ceci dit, l'intégration des éléments artificiels dans le corps humain semble être le plus spectaculaire (cf. la médiatisation que reçoit chacun des membres de notre Comité scientifique —liste plus bas—), mais le comportement humain ou animal de certaines machines l'est autant par son effacement de la frontière entre le croyable et l'incroyable.

Pendant ce colloque en langue anglaise nous ne souhaitons pas orienter les participants, c'est pour cela que nous avons choisi un sujet large et audacieux, tourné vers l'avenir ; nous attendons donc naturellement à recevoir quelques thèmes originaux en ce qui concerne les thèmes des interventions, thèmes à mettre en valeur dans le cadre des manifestations PIRSTEC.

Ce projet de conférence repose sur l'organisation de la conférence internationale I-C&P 2006 (« Ordinateurs et philosophie ») qui a remporté un vif succès auprès de la communauté scientifique (écrits soumis de 32 pays)¹.

¹ Le but principal de ce colloque était de mettre en relation des chercheurs en science de l'informatique et des chercheurs en philosophie et sciences humaines pour tenter d'imaginer l'avenir de la communication Homme-Machine.

Ainsi, les chercheurs se sont posé des questions sur les réactions que l'Homme devrait avoir s'il arrive à créer une intelligence artificielle, et aussi, quelle en serait la place dans notre société et surtout quelles seront les conséquences d'atteindre ce niveau de technologie par l'Homme.

Demande de 4000 euros.

Appel à communications

28-30 October 2009 (3 full days)

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SYMPOSIUM

MERGERS.

Physical and Cognitive Mutations in Humans and Machines

Biological and mechanical components are merging. The 'technological artefact' has become a relative notion. Computer-compelled technology is drawing closer to human life as we experience it. Human Life will undergo further movement towards technology. It would seem that the further scientists humanise technology, the more making humans into artefacts becomes possible. Since the outburst of the Industrial Revolution in Europe, attempts to explain human cognitive life away have been on the increase; the idea is to render acceptable the organisation of manifest (more or less biological) components whose human-like behaviour is guided thanks to various calculations. Whether 'building up' the Machine or 'breaking down' the human being, *ambivalence* prevails in the hearts of all when it comes to future issues: do we or don't we have the right to create certain things? What are the key future issues that involve the evolution of our machines and our very persons? And *what do we wish to become tomorrow?* Surely there are realistic

La conférence a eu lieu comme prévu du 3 (matin) au 5 (midi) mai 2006 en langue anglaise et en langue française avec des interventions plénières du Professeur D. VERNANT de l'UPMF-Grenoble et du Professeur émérite F. JACQUES de la Sorbonne-Nouvelle Paris. Les autres intervenants invités, étrangers, avaient tous au moins le statut de Professeur des universités. L'audience s'est composée de spécialistes venant du monde entier (quelque 86 chercheurs se réuniront pour assister aux travaux de 78 d'entre eux. Venus de 22 pays différents). La présidence du Comité Scientifique était assurée par Colin SCHMIDT, Maître de conférences enseignant au département SRC de l'I.U.T. de Laval et membre du L.I.U.M.

Le but d'établir une véritable inter-compréhension entre les domaines a été une grande réussite facilitée par l'ouverture d'esprit des congressistes et la participation entreprenante du Comité d'organisation Lavallois.

i-CaP a donc été pour les participants un colloque de réflexion fructueux sur la place envisagée de la vie et l'intelligence artificielle dans notre société. Les médias (Ouest France, Courrier de la Mayenne, Radio Bleu Mayenne, FR3...) se sont intéressés également. Cet événement a contribué à la présence grandissante du LIUM et de la ville de Laval sur la place internationale des nouvelles technologies. La conférence a été "sponsorisée" par l'European Office of Aerospace Research and Development (EOARD), IEEE Section France, l'Association américaine pour la recherche en Intelligence artificielle (AAAI), Laboratoire Informatique de l'Université du Maine (LIUM), Ministère de l'éducation nationale et de la recherche, l'Université du Maine, l'IUT de Laval, le Conseil Régional des Pays de la Loire, le département de la Mayenne et la ville de Laval.

goals to the activities listed above. It has now become necessary to seriously analyse the "fringe-like aspects" of the use of technology to modify human life (emergent future states & immersion into the unknown). For many, the humanisation of technology and rendering human life more technical in nature go hand in hand, constitute opposing forces, or at least occur on the same practical terrain.

Therefore, over and beyond confirmations and refutations of the humanisation-technicisation relation that exists between Society and Technology, whatever its nature, we solicit papers exploring the Philosophical, Ethical and Epistemological aspects of the simulation/modification of human cognitive and physical processes and states for the Symposium to be held **in Laval France**. The most promising will be reviewed in view of being published as book chapters in a quality publication.

The following are only examples of relevant topics:

Related to "Machines"

- Artificial Autonomy and Identity
- Beliefs about Androids (having beliefs)
- Humanoid Robotics and Will
- Bringing Inert Matter to Life (from Galvanism to modern-day approaches)
- Mechanical Playmates and Emergent Affectivity
- Authentification of "Soul" in Artificial Creatures

Related to "Humans"

- Cyborgs and Problems of Trans-humanism
- Bionics, Augmented Human Cognition and Consequences
- Mutations, Cloning and the (Im)possibility to Socialise Evolutionary Beings

Related to Communication

- Problems of Communicability with Artificial Creatures (incompatibility, theories of Reference)
- Personification of Non-persons
- Acceptance of Inorganic Individuals
- Artificial Intentions and Human Intentionality: Limits and Barriers to Establishing Co-intentionality
- The Social Status of Agents and Robots, Legal Issues (rights, personal obligations and morals)
- Human Digitalisation (difficulties related to the de-incarnation of the Self; personhood, otherhood and sense of community in virtual settings)
- Technology-induced Indecidabilities, Multiple Personalities, Existential Trauma
- Suspended Beliefs Hindering Contact with the "Other"

Logic, Categorisation & Interrogative Argumentation

- Un-technicisation of Humans
- Possibilities and Reasons for De-humanising Technology
- Classification(s) of Humanoid Robotics, Artificial Life, Self-transformed Humans, etc. (conceptual graphs, typologies)
- Post-cognitivism, Discursive Mind Theories and Post-humanoid Robotics
- Statements on What Humans or Society Might/Should Become
- Technological Era Positioning or Pragmatic Contextualisation (of all the above)
- Re-definitions and Life

All other analyses of formidable, incongruous or complacent amalgams between humanity and technological matter are welcome. We also wish to discover texts referring to European Projects (FET Programme, ESF Forward Look Workshops, etc.) on like matters. Position-type statements with respect to the concepts eluded to here are particularly encouraged in this forum as well as historical accounts as a basis for extrapolating into the future. Although attendance will be subject to relevance with the Mergers Technical programme, the entire event will benefit from the finest media coverage.

Important Dates

Online paper submission deadline	June 1 st , 2009	Colin.Schmidt@univ-lemans.fr
Notification of acceptance	Sept 1 st , 2009	
Conference	Oct 28-30, 2009	

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Keynote Speakers (to be announced) will provide Abstracts to be put on the Symposium web site.

Scientific Committee

Colin SCHMIDT, Chair. Cognition, Communication, Philosophy, University of Le Mans (FR)

Jean-Paul BAQUIAST, Expert in Politics of Information Technologies. Editor of AutomatesIntelligent.com & Member of PanEurope France (FR)

Mark BISHOP, Reader in Computing, Goldsmiths, University of London (UK)

Kerstin DAUTENHAHN, Professor of Artificial Intelligence, Adaptive Systems Research Group, University of Hertfordshire (UK)

Charles ESS, Professor in Interdisciplinary Studies (Ethics, Global Perspectives), Drury University USA & President of the Association of Internet Researchers (USA)

Viorel GULICIUC, Professor of Ancient Philosophy, Semiotics and Digital Aesthetics, Stefan cel Mare University, Romania (RO)

Pierre LIVET, Director of CEPERC & Professor of Epistemology, Aix-Marseille University (FR)

Lorenzo MAGNANI, Professor & Director of the Computational Philosophy Laboratory, University of Pavia (IT)

Nadia MAGNENAT-THALMANN, Professor & Director of MIRALab, University of Geneva (CH)

Maria-Caterina MANES-GALLO, Professor of Information and Communication Sciences, Bordeaux University (FR)

Serge PROULX, Professor at UQAM Montréal, Director of GRM, Director of LabCMO, LCP-CNRS Paris, ENST Telecom ParisTech (CA)

Philippe QUEAU, UNESCO Representative to the Mahgreb and author of *Éloge de la simulation*, *Le Virtuel - Vertus et Vertiges*, *La Planète des esprits*. *Pour une politique du cyberspace* (CH)

Shahid RAHMAN, Professor of Logic and Epistemology, MSH du Nord-Pas de Calais & Lille III University (FR)

Francis ROUSSEAU, Professor of Computer Science, IRCAM Paris & IEEE Computer France Section (FR)

Peter-Paul VERBEEK, Assoc. Professor, Philosophy of Science, Technology and Society, University of Twente & Society for Philosophy and Technology (SPT) (NL)

Kevin WARWICK, Professor of Cybernetics, Reading University (UK)

(Exemple du planning pp. 5-7)

Programme timing for 4 Keynote Speakers, 81(+) session speakers as well as time and events for meeting socially:

Sponsored by the

Held in cooperation with

To telephone the site: +

Session I Session II Session III

Plenary **Speakers**
Session Presentations

Mergers. Physical and Cognitive Mutations

is organised by the **LIUM**
Le Mans UNIVERSITY

session one	session two	session three
<i>Session titles to be determined from the types of submissions</i>	<i>title</i> <i>title</i> <i>&</i> <i>title</i>	<i>title</i> <i>title</i> <i>&</i> <i>title</i>
Room n°1	Room n°2	Room n°3

8:00-10:00am **Wednesday 28th Oct 09** **(and ...)**
Morning **Registration in the main hall** + Coffee, tea, refreshments

9:50am **WELCOME** -Room n°2

10:00am
-10:05

10:05-10:15

10:15-10:30

Plenary Session Chair: Colin SCHMIDT

10:30-11:15
Keynote Speaker's name -institution
"title"

Session I, Location: Room n° 1	Session II, Location: Room n° 2	Session III, Location: Room 3
Chair: first LAST first LASTNAME "title"	Chair: first LAST first LASTNAME "title"	Chair: first LAST first LASTNAME "title"
11:20-11:45 first LASTNAME "title"	11:20-11:45 first LASTNAME "title"	11:20-11:45 first LASTNAME "title"
11:45-12:10 first LASTNAME "title"	11:45-12:10 first LASTNAME "title"	11:45-12:10 first LASTNAME "title"
12:10-12:35 "title"	12:10-12:35 "title"	12:10-12:35 "title"

12:35-13:45 (👉 proceed to dining room as indicated)
Lunch

Afternoon - 2pm

Plenary Session Chair: Colin SCHMIDT

14:00-14:45
Free discussion time

14:45-15:30
Keynote Speaker's name -institution
"title"

15:30-16:00 **Coffee Break**

Session I, Location: Room n° 1	Session II, Location: Room n° 2	Session III, Location: Room 3
Chair: first LAST first LASTNAME "title"	Chair: first LAST first LASTNAME "title"	Chair: first LAST first LASTNAME "title"
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Evening Off

session one	session two	session three
<i>Title</i>	<i>title</i>	<i>title</i>
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<i>Title</i>	<i>title</i>	<i>title</i>
Room n°1	Room n°2	Room n°3

Thursday 29th Oct 09
Morning

9:30am	Informal Discussion Groups on Policy Issues from 8am		
9:45-10:10	first LASTNAME "title"	first LASTNAME "title"	first LASTNAME "title"
10:10-10:35	first LASTNAME "title"	first LASTNAME "title"	first LASTNAME "title"
10:35-11:00	Coffee Break		
	Session I, Location: Room n° 1	Session II, Location: Room n° 2	Session III, Location: Room 3
	Chair: first LAST	Chair: first LAST	Chair: first LAST
11:00-11:25	first LASTNAME "title"	first LASTNAME "title"	first LASTNAME "title"
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11:50-12:35	first LASTNAME "title"	first LASTNAME "title"	first LASTNAME "title"
12:35-13:00	first LASTNAME "title"	first LASTNAME "title"	first LASTNAME "title"

13:00-14:15 proceed to dining room as indicated) Lunch

Afternoon – 2:30pm

Room n°2
Plenary Session Chairs: Colin SCHMIDT

14:30-15:15

Keynote Speaker's name -institution
"title"

15:15-20:00

Networking Time, informally arranged supplementary sessions or:
City Visit (or free time)

Mergers. Physical and Cognitive Mutations

is organised by the ISC
Lyon UNIVERSITY

20:00

Formal On-Site Reception and Dinner

Vendredi 30th Oct 09
Morning

🕒 9:30am

Room n°2

Plenary Session Chair:

🕒 9:45-10:30

Keynote Speaker's name -institution
"title"

10:30-11:00

Coffee Break

11:00-11:25
 11:25-11:50
 11:50-12:35
 12:35-13:00

Session I, Location: Room n° 1	Session II, Location: Room n° 2	Session III, Location: Room 3
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13:00-14:15 🍴

(👉 proceed to dining room as indicated)
 Lunch

Afternoon – 2:30pm

14:30-14:55
 14:55-15:20
 15:20-15:55
 15:55-16:20

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16:20-16:45

Coffee Break

16:45-17:10
 17:10-17:35
 17:35-18:00
 18:00-18:25

Session I, Location: Room n° 1	Session II, Location: Room n° 2	Session III, Location: Room 3
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session one	session two	session three
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<i>Title</i>	<i>title</i>	<i>title</i>
Room n°1	Room n°2	Room n°3

Mergers. Physical and Cognitive Mutations

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20:15

Off-site Dining and/or Bar Experience – (restaurant address: ??;
 bus to be provided: pick-up from the Hotel at 19:45)

Contact :
 C.T.A. SCHMIDT (MCF 71)

☎ Work +33 (0)2 43 59 49 20 / 49 25
 06.26.26.66.48
 📧 Colin.Schmidt@univ-lemans.fr
 ✉ Laboratoire d'informatique de l'Université du Maine (LIUM)
 52, rue des Docteurs Calmette et Guérin,
 53020 Laval Cedex 09, France