Apprentissage

Apprentissage > Connexionnisme :

@article{cohen2002constructivist,

 title={A constructivist model of infant cognition},

 author={Cohen, L.B. and Chaput, H.H. and Cashon, C.H.},

 journal={Cognitive Development},

 volume={17},

 pages={1323--1343},

 year={2002}

}

@inproceedings{ring1991incremental,

 title={Incremental development of complex behaviors through automatic construction of sensory-motor hierarchies},

 author={Ring, M.},

 booktitle={Proceedings of the Eighth International Conference on Machine Learning},

 pages={343--347},

 year={1991}

}

Apprentissage > Enaction :

@article{de2009enaction,

 title={Enaction-Based Artificial Intelligence: Toward co-evolution with humans in the loop},

 author={De Loor, P. and Manac'h, K. and Tisseau, J.},

 journal={Minds and Machines},

 volume={19},

 number={3},

```
  pages={319--343},

  year={2009},

  publisher={Springer}

}


@phdthesis{kristen2011vers,

  title={Vers la notion d'agent {\'e}nactif virtuel: Application {\`a} l'approche dynamique
{\'e}volutionnaire},

  author={Kristen, M.H.},

  year={2011},

  school={Universit{\'e} Europ{\'e}enne de Bretagne}

}


@book{maturana1980autopoiesis,

  title={Autopoiesis and cognition: The realization of the living},

  author={Maturana, H.R. and Varela, F.J.},

  volume={42},

  year={1980},

  publisher={Springer}

}
```

Apprentissage > Motivation Intrinsèque :

```
@article{oudeyer2007intrinsic,

  title={Intrinsic motivation systems for autonomous mental development},

  author={Oudeyer, P.Y. and Kaplan, F. and Hafner, V.V.},

  journal={Evolutionary Computation, IEEE Transactions on},

  volume={11},

  number={2},
```

  pages={265--286},

  year={2007},

  publisher={IEEE}

}

@article{oudeyer2007intrinsic,

  title={What is intrinsic motivation? a typology of computational approaches},

  author={Oudeyer, P.Y. and Kaplan, F.},

  journal={Frontiers in Neurorobotics},

  volume={1},

  year={2007},

  publisher={Frontiers Research Foundation}

}

@article{schmidhuber2010formal,

  title={Formal theory of creativity, fun, and intrinsic motivation (1990--2010)},

  author={Schmidhuber, J.},

  journal={Autonomous Mental Development, IEEE Transactions on},

  volume={2},

  number={3},

  pages={230--247},

  year={2010},

  publisher={IEEE}

}

Apprentissage > Renforcement :

```
@article{kaelbling1996reinforcement,

 title={Reinforcement learning: A survey},

 author={Kaelbling, L.P. and Littman, M.L. and Moore, A.W.},

 journal={Arxiv preprint cs/9605103},

 year={1996}

}


@book{Sutton:1998:IRL:551283,

 author = {Sutton, Richard S. and Barto, Andrew G.},

 title = {Introduction to Reinforcement Learning},

 year = {1998},

 isbn = {0262193981},

 edition = {1st},

 publisher = {MIT Press},

 address = {Cambridge, MA, USA},

}
```

Apprentissage > Schemas :

```
@book{drescher1991made,

 title={Made-up minds: a constructivist approach to artificial intelligence},

 author={Drescher, G.L.},

 year={1991},

 publisher={The MIT Press}

}


@inproceedings{chaput2003constructivist,

 title={Constructivist learning: A neural implementation of the schema mechanism},
```

  author={Chaput, H.H. and Kuipers, B. and Miikkulainen, R.},

  booktitle={Proceedings of the Workshop on Self-Organizing Maps (WSOM03)},

  year={2003}

}

@article{shen1993discovery,

  title={Discovery as autonomous learning from the environment},

  author={Shen, W.M.},

  journal={Machine Learning},

  volume={12},

  number={1},

  pages={143--165},

  year={1993},

  publisher={Springer}

}

@article{miller2011piagetian,

  title={Piagetian Autonomous Modeler},

  author={Miller, M.},

  journal={Proceedings of Artificial Intelligence and Simulation of Behavior (AISB 2011)(York, UK)},

  year={2011}

}

@article{guerin2008piagetian,

  title={A Piagetian model of early sensorimotor development},

  author={Guerin, F. and McKenzie, D.},

  journal={Proceedings from Epigenetic Robotics},

  volume={2008},

  year={2008}

}

@article{chang2006piagetian,

  title={Piagetian adaptation meets image schemas: The jean system},

  author={Chang, Y.H. and Cohen, P. and Morrison, C. and Amant, R. and Beal, C.},

  journal={From Animals to Animats 9},

  pages={369--380},

  year={2006},

  publisher={Springer}

}

@article{mugan2007learning,

  title={Learning distinctions and rules in a continuous world through active exploration},

  author={Mugan, J. and Kuipers, B.},

  year={2007}

}

@article{cohen2002constructivist,

  title={A constructivist model of infant cognition},

  author={Cohen, L.B. and Chaput, H.H. and Cashon, C.H.},

  journal={Cognitive Development},

  volume={17},

  number={3},

  pages={1323--1343},

  year={2002},

  publisher={Elsevier}

}

@article{holmes2005schema,

 title={Schema learning: Experience-based construction of predictive action models},

 author={Holmes, M.P. and Isbell Jr, C.L.},

 journal={Advances in Neural Information Processing Systems},

 volume={17},

 pages={585--592},

 year={2005}

}

@inproceedings{mugan2007learning,

 title={Learning to predict the effects of actions: Synergy between rules and landmarks},

 author={Mugan, J. and Kuipers, B.},

 booktitle={Development and Learning, 2007. ICDL 2007. IEEE 6th International Conference on},

 pages={253--258},

 year={2007},

 organization={IEEE}

}

@article{Perotto_Buisson_Alvares_2007,

     title={Constructivist Anticipatory Learning Mechanism (CALM) – dealing with partially
deterministic and partially observable environments}, journal={Cognitive Development},

     publisher={Lund University Cognitive Studies, 135},

     author={Perotto, Filipo Studzinski and Buisson, Jean-Christophe and Alvares, Luis Otávio},

     ear={2007},

     pages={117--124}

}

@phdthesis{perotto2010mecanisme,

 title={Un M{\'e}canisme Constructiviste d'Apprentissage Automatique d'Anticipations pour des Agents Artificiels Situ{\'e}s},

 author={Perotto, F.S.},

 year={2010},

 school={Institut National Polytechnique de Toulouse-INPT}

}

Constructivisme Radical :

@article{ziemke2001construction,

 title={The construction of 'reality'in the robot: Constructivist perspectives on situated artificial intelligence and adaptive robotics},

 author={Ziemke, T.},

 journal={Foundations of Science},

 volume={6},

 number={1},

 pages={163--233},

 year={2001},

 publisher={Springer}

}

@article{riegler2001towards,

 title={Towards a radical constructivist understanding of science},

 author={Riegler, A.},

 journal={Foundations of Science},

 volume={6},

  number={1},

  pages={1--30},

  year={2001},

  publisher={Springer}

}

@article{stewart2001radical,

  title={Radical constructivism in biology and cognitive science},

  author={Stewart, J.},

  journal={Foundations of science},

  volume={6},

  number={1},

  pages={99--124},

  year={2001},

  publisher={Springer}

}

@article{von1984introduction,

  title={An introduction to radical constructivism},

  author={Von Glasersfeld, E.},

  journal={The invented reality},

  pages={17--40},

  year={1984}

}

@article{von1996cybernetics,

  title={Cybernetics and the art of living},

```
  author={Von Glasersfeld, E.},

  journal={Cybernetics \& Systems},

  volume={27},

  number={6},

  pages={489--498},

  year={1996},

  publisher={Taylor \& Francis}

}


@article{von1994pourquoi,

  title={Pourquoi le constructivisme doit-il {\^e}tre radical?},

  author={Von Glasersfeld, E.},

  journal={Revue des sciences de l'{\'e}ducation},

  volume={20},

  number={1},

  year={1994},

  publisher={Revue des sciences de l'{\'e}ducation}

}
```

Intelligence Ambiante :

```
@INPROCEEDINGS = {ICINCO:2006,


   AUTHOR = "S. Abras, S. Ploix, S. Pesty and M. Jacomino",

   TITLE = "A multi-agent home automation system for power managememnt",

   BOOKTITLE = "Third International Conference in Control, Automation, and Robotics, ICINCO 2006",

   YEAR = "2006",
```

MONTH = "1-5 August",

ADDRESS = "Setubal, Portugal",

PUBLISHER = "Springer",

}

@article{conte2003viewing,

 title={Viewing home automation systems as multiple agents systems},

 author={Conte, G. and Scaradozzi, D.},

 journal={Multi-agent system for industrial and service robotics applications, RoboCUP2003, Padova, Italy},

 year={2003}

}

@ARTICLE{ friedewald:perspectives,

AUTHOR = "Michael Friedewald and Olivier Da Costa and Yves Punie and Petteri Alahuhta and Sirkka Heinonen",

TITLE = "Perspectives of ambient intelligence in the home environment.",

JOURNAL = "Telematics and Informatics"

PAGES = {221-238},

YEAR = {2005} }

@inproceedings{ecs22235,

    booktitle = {Second International Workshop on Agent Technology for Energy Systems (ATES 2011)},

       month = {May},

      title = {Adaptive Home Heating Control Through Gaussian Process Prediction and Mathematical Programming},

      author = {Alex Rogers and Sasan Maleki and Siddhartha Ghosh and Nicholas R, Jennings},

year = {2011},

pages = {71--78},

url = {http://eprints.ecs.soton.ac.uk/22235/},

abstract = {In this paper, we address the challenge of adaptively controlling a home heating system in order to minimise cost and carbon emissions within a smart grid. Our home energy management agent learns the thermal properties of the home, and uses Gaussian processes to predict the environmental parameters over the next 24 hours, allowing it to provide real time feedback to householders concerning the cost and carbon emissions of their heating preferences. Furthermore, we show how it can then use a mixed-integer quadratic program, or a computationally efficient greedy heuristic, to adapt to real-time cost and carbon intensity signals, adjusting the timing of heater use in order to satisfy preferences for comfort whilst minimising cost and carbon emissions. We evaluate our approach using weather and electricity grid data from January 2010 for the UK, and show our approach can predict the total cost and carbon emissions over a day to within 9\%, and show that over the month it reduces cost and carbon emissions by 15\%, and 9\%, respectively, compared to using a conventional thermostat.}

}

@article{davidsson2000saving,

  title={Saving energy and providing value added services in intelligent buildings: A MAS approach},

  author={Davidsson, P. and Boman, M.},

  journal={Agent Systems, Mobile Agents, and Applications},

  pages={79--143},

  year={2000},

  publisher={Springer}

}

@inproceedings{mozer1998neural,

  title={The Neural Network House: An Environment hat Adapts to its Inhabitants},

  author={Mozer, M.C.},

  booktitle={Proc. AAAI Spring Symp. Intelligent Environments},

  year={1998}

}

@article{aztiria2010learning,

  title={Learning patterns in ambient intelligence environments: a survey},

  author={Aztiria, A. and Izaguirre, A. and Augusto, J.C.},

  journal={Artificial Intelligence Review},

  volume={34},

  number={1},

  pages={35--51},

  year={2010},

  publisher={Springer}

}

@inproceedings{jakkula2007knowledge,

  title={Knowledge discovery in entity based smart environment resident data using temporal relation based data mining},

  author={Jakkula, V.R. and Crandall, A.S. and Cook, D.J.},

  booktitle={Data Mining Workshops, 2007. ICDM Workshops 2007. Seventh IEEE International Conference on},

  pages={625--630},

  year={2007},

  organization={IEEE}

}

@inproceedings{aztiria2009learning,

  title={Learning accurate temporal relations from user actions in intelligent environments},

  author={Aztiria, A. and Augusto, J. and Izaguirre, A. and Cook, D.},

booktitle={3rd Symposium of Ubiquitous Computing and Ambient Intelligence 2008},

pages={274--283},

year={2009},

organization={Springer}

}

@inproceedings{augusto2004use,

title={The use of temporal reasoning and management of complex events in smart homes},

author={Augusto, J.C. and Nugent, C.D.},

booktitle={ECAI},

volume={16},

pages={778},

year={2004}

}

@article{aztiria2012discovering,

title={Discovering frequent user--environment interactions in intelligent environments},

author={Aztiria, A. and Augusto, J.C. and Basagoiti, R. and Izaguirre, A. and Cook, D.J.},

journal={Personal and Ubiquitous Computing},

volume={16},

number={1},

pages={91--103},

year={2012},

publisher={Springer-Verlag}

}

Intelligence Artificielle :

@ARTICLE{Brooks91intelligencewithout,

  author = {Rodney Brooks},

  title = {Intelligence Without Representation},

  journal = {Artificial Intelligence},

  year = {1991},

  volume = {47},

  pages = {139--159}

}

@article{Brooks:1990:EDP:1752986.1752988,

 author = {Brooks, Rodney A.},

 title = {Elephants don't play chess},

 journal = {Robot. Auton. Syst.},

 volume = {6},

 issue = {1-2},

 month = {June},

 year = {1990},

 issn = {0921-8890},

 pages = {3--15},

 numpages = {13},

 url = {http://dx.doi.org/10.1016/S0921-8890(05)80025-9},

 doi = {http://dx.doi.org/10.1016/S0921-8890(05)80025-9},

 acmid = {1752988},

 publisher = {North-Holland Publishing Co.},

 address = {Amsterdam, The Netherlands, The Netherlands},

 keywords = {Artificial Intelligence, Mobile robots, Planning, Situated activity, Subsumption architecture},

}

@inproceedings{brooks1998alternative,

 title={Alternative essences of intelligence},

 author={Brooks, R.A. and Breazeal, C. and Irie, R. and Kemp, C.C. and Marjanovic, M. and Scassellati, B. and Williamson, M.M.},

 booktitle={PROCEEDINGS OF THE NATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE},

 pages={961--968},

 year={1998},

 organization={JOHN WILEY \& SONS LTD}

}

@book{hawkins2005intelligence,

 title={On intelligence},

 author={Hawkins, J. and Blakeslee, S.},

 year={2005},

 publisher={Owl Books}

}

@techreport{Minsky:1974:FRK:889222,

 author = {Minsky, Marvin},

 title = {A Framework for Representing Knowledge},

 year = {1974},

 source =
{http://www.ncstrl.org:8900/ncstrl/servlet/search?formname=detail\&id=oai%3Ancstrlh%3Amitai%3AMIT-AILab%2F%2FAIM-306},

 publisher = {Massachusetts Institute of Technology},

```
  address = {Cambridge, MA, USA},

}



@article{minsky1991logical,

  title={Logical versus analogical or symbolic versus connectionist or neat versus scruffy},

  author={Minsky, M.L.},

  journal={AI magazine},

  volume={12},

  number={2},

  pages={34},

  year={1991}

}
```

Robotique Développementale :

```
@article{blank2005bringing,

  title={Bringing up robot: Fundamental mechanisms for creating a self-motivated, self-organizing architecture},

  author={Blank, D. and Kumar, D. and Meeden, L. and JAMES, B.M.},

  journal={Cybernetics and Systems: An International Journal},

  volume={36},

  number={2},

  pages={125--150},

  year={2005},

  publisher={Taylor \& Francis}

}



@article{meeden2006introduction,
```

  title={Introduction to developmental robotics},

  author={Meeden, L.A. and Blank, D.S.},

  year={2006},

  publisher={Taylor \& Francis}

}

@article{stronger2006towards,

  title={Towards autonomous sensor and actuator model induction on a mobile robot},

  author={Stronger, D. and Stone, P.},

  journal={Connection Science},

  volume={18},

  number={2},

  pages={97--119},

  year={2006},

  publisher={Taylor \& Francis}

}

@article{olsson2006unknown,

  title={From unknown sensors and actuators to actions grounded in sensorimotor perceptions},

  author={Olsson, L.A. and Nehaniv, C.L. and Polani, D.},

  journal={Connection Science},

  volume={18},

  number={2},

  pages={121--144},

  year={2006},

  publisher={Taylor \& Francis}

}

@article{kuipers2006bootstrap,

  title={Bootstrap learning of foundational representations},

  author={Kuipers, B.J. and Beeson, P. and Modayil, J. and Provost, J.},

  journal={Connection Science},

  volume={18},

  number={2},

  pages={145--158},

  year={2006},

  publisher={Taylor \& Francis}

}

@article{provost2006developing,

  title={Developing navigation behavior through self-organizing distinctive-state abstraction},

  author={Provost, J. and Kuipers, B.J. and Miikkulainen, R.},

  journal={Connection Science},

  volume={18},

  number={2},

  pages={159--172},

  year={2006},

  publisher={Taylor \& Francis}

}

@article{lungarella2003developmental,

  title={Developmental robotics: a survey},

  author={Lungarella, M. and Metta, G. and Pfeifer, R. and Sandini, G.},

  journal={Connection Science},

```
  volume={15},

  number={4},

  pages={151--190},

  year={2003},

  publisher={Taylor \& Francis}

}




@inproceedings{linaker2001mobile,

  title={Mobile robot learning of delayed response tasks through event extraction: A solution to the
road sign problem and beyond},

  author={Linaker, F. and Jacobsson, H.},

  booktitle={INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE},

  volume={17},

  number={1},

  pages={777--782},

  year={2001},

  organization={LAWRENCE ERLBAUM ASSOCIATES LTD}

}




@article{nolfi1999extracting,

  title={Extracting regularities in space and time through a cascade of prediction networks: The case
of a mobile robot navigating in a structured environment},

  author={Nolfi, S. and Tani, J.},

  journal={Connection Science},

  volume={11},

  number={2},
```

```
  pages={125--148},

  year={1999},

  publisher={Taylor \& Francis}

}




%%%%%%%%%%%%%%%%%%%%%%%%%%%%% A TROUVER
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%


@inproceedings{linaker2000time,

  title={Time series segmentation using an adaptive resource allocating vector quantization network
based on change detection},

  author={Linaker, F. and Niklasson, L.},

  booktitle={Neural Networks, 2000. IJCNN 2000, Proceedings of the IEEE-INNS-ENNS International
Joint Conference on},

  volume={6},

  pages={323--328},

  year={2000},

  organization={IEEE}

}
```

SMA :

```
@phdthesis{ARMETTA:2006:TEL-00449502:1,

   hal_id = {tel-00449502},

   url = {http://tel.archives-ouvertes.fr/tel-00449502/en/},

   title = {{Proposition d'une approche auto-organisationnelle pour le partage de ressources
critiques}},

   author = {Armetta, Fr{\'e}d{\'e}ric},
```

keywords = {partage de ressources critiques, comportement {\'e}mergent, syst{\`e}mes complexes auto-organis{\'e}s, coordination de l'activit{\'e} des agents, protocole de n{\'e}gociation},

language = {Fran{\c c}ais},

affiliation = {Laboratoire d'Informatique pour l'Entreprise et les Syst{\`e}mes de Production - LIESP - INSA - Institut National des Sciences Appliqu{\'e}es - Universit{\'e} Lumi{\`e}re - Lyon II : EA4125 - Universit{\'e} Claude Bernard - Lyon I - Institut National des Sciences Appliqu{\'e}es de Lyon},

school = {Universit{\'e} Claude Bernard - Lyon I},

type = {THESE},

year = {2006},

month = Dec,

pdf = {http://tel.archives-ouvertes.fr/tel-00449502/PDF/these.pdf},

}

@PHDTHESIS = {PHD:2010,

        AUTHOR = "O. Lefevre",

    TITLE = "Controle endogene des Systemes Multi-Agents pour la resolution de problemes complexes",

    SCHOOL = "Universit{\'e} Claude Bernard - Lyon I",

    YEAR = "2010",

    MONTH = "Oct",

    ADDRESS = "Lyon, France",

}

@article{hassas2003systemes,

 title={Syst{\`e}mes complexes {\`a} base de multi-agents situ{\'e}s},

 author={Hassas, S.},

  journal={University Claude Bernard Lyon},

  year={2003}

}

@MISC{Alonso01learningin,

   author = {Eduardo Alonso and Mark d'Inverno and Daniel Kudenko and Michael Luck and Jason Noble},

   title = {Learning in Multi-Agent Systems},

   year = {2001}

}

@article{Panait:2005:CML:1090749.1090753,

 author = {Panait, Liviu and Luke, Sean},

 title = {Cooperative Multi-Agent Learning: The State of the Art},

 journal = {Autonomous Agents and Multi-Agent Systems},

 volume = {11},

 issue = {3},

 month = {November},

 year = {2005},

 issn = {1387-2532},

 pages = {387--434},

 numpages = {48},

 url = {http://dl.acm.org/citation.cfm?id=1090749.1090753},

 doi = {10.1007/s10458-005-2631-2},

 acmid = {1090753},

 publisher = {Kluwer Academic Publishers},

 address = {Hingham, MA, USA},

 keywords = {cooperation, machine learning, multi-agent learning, multi-agent systems, survey},

```
}


@article{sen19996,

 title={Learning in Multiagent Systems},

 author={Sen, S. and Weiss, G.},

 journal={Multiagent systems: A modern approach to distributed artificial intelligence},

 pages={259},

 year={1999},

 publisher={The MIT Press}

}




@INPROCEEDINGS{Institut96adaptationand,

  author = {Gerhard Weiss},

  title = {Adaptation and Learning in Multi-Agent Systems: Some Remarks and a Bibliography},

  booktitle = {Adaptation and Learning in Multi-Agent Systems},

  year = {1996},

  pages = {1--21},

  publisher = {Springer-Verlag}

}
```