

# 第1回 共創言語進化セミナー

日時 2020年 8月19日 (水) 17:00-18:30 JST (10:00-11:30 CEST)

場所 Zoom (参加ご希望の方は登録サイトから登録下さい。会議室情報を追って連絡いたします)

言語 英語

講演者 Prof. Luc Steels

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ブリュッセル自由大学計算機科学科の教授、  
Sony Computer Science Laboratory – Parisの所長を長く務め、  
現在はスペインのCatalan Institution for Research and  
Advanced Studies (ICREA)の進化生物学研究所の研究教授  
であり、新学術領域「共創言語進化」国際アドバイザーを務める。  
Steels氏は欧州における人工知能研究のパイオニアであり、

特にエキスパートシステム、群ロボット、人工生命の研究で重要な貢献をしている。  
そして、ロボットやコンピュータシミュレーションを用いた言語進化研究の  
構成論的研究の創始者の一人である。

## Constructive approaches to language evolution

概要：

The problem how human languages have evolved is one of the most fascinating problems of science.

We have a lot of data on actual language evolution collected by historical linguists and sociolinguists but there is still no widely accepted theory. This presentation surveys work that uses a synthetic or constructive approach to study this problem, meaning that we proceed through experiments with artificial agents (possibly even humanoid robots) that are given the minimal infrastructure to create their own language and then we observe what language emerges. There is a practical utility to this challenge but in this talk we are interested to learn more about how these experiments can inform us about the origins of human language.

The constructive approach started already in the mid nineteen-nineties and has by now yielded a rich harvest of models and experiments. Recently there has been a renewed interest to apply methods from deep learning. This talk surveys progress so far and then looks ahead to see how we could most profitably advance further.



Evolinguistics