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widely used in the last few years for
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network architecture is a useful concept
that is used in many application areas

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despite the optimal architecture not
being known a priori. Therefore, trial
and...

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Networks based on Genetic Algorithms

Fiszelew, A. 1, Britos, P. 2, 3, Perichisky,

G. 3 & García-Martínez, R. 2 1 Intelligent

Systems Laboratory.

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Abstract The automatic generation of

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neural network architecture is a useful concept as in many applications while the optimal architecture is not a priori known.

A Framework for an Automatic Generation of Neural Networks

DeepBurning: Automatic generation of
FPGA-based learning accelerators for the

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Neural Network family. Abstract:Recent advances in Neural Networks (NN) are enabling more and more innovative applications. As an energy-efficient hardware solution, machine learning accelerators for CNNs or traditional ANNs are also gaining popularity in the area of embedded vision, robotics and cyberphysics.

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DeepBurning: Automatic generation of FPGA-based learning ...

In their latest work, researchers have proposed an automatic gesture generation model that extracts information from a multi-modal context (speech, speaker identity, text) as opposed to data-driven methods that try

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to learn the gesticulations directly from
video data.

Neural Network Generates Speech Gestures According to Speech

Data2Vis: Automatic Generation of Data
Visualizations Using Sequence-to-
Sequence Recurrent Neural Networks.
Abstract: Rapidly creating effective

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visualizations using expressive grammars is challenging for users who have limited time and limited skills in statistics and data visualization. Even high-level, dedicated visualization tools often require users to manually select among data attributes, decide which transformations to apply, and specify mappings between visual encoding

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**Data2Vis: Automatic Generation of
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energy of the neural network is

calculated by the following expression: E

$= (-1/2)\sum\sum T_{ij}V_iV_j - \sum I_iV_i + K$; where N ,

the range of \sum , is the number of neurons
in the neural network, T_{ij} is the weight of

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the edge between neurons i and j , V_i is the activation value of neuron i , I_i is the threshold of neuron i , and K is a

Using VHDL Neural Network Models for Automatic Test Generation

Automatic news comment generation is a new testbed for techniques of natural language generation. In this paper, we

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proposed a “read-attend-comment”
procedure for news comment
generation and formalize the procedure
with a reading network and a generation
network. The reading network
comprehends a news article and distills
some important points

arXiv:1909.11974v3 [cs.CL] 1 Oct

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Data2Vis: Automatic Generation of Data Visualizations Using Sequence to Sequence Recurrent Neural Networks ...
github.com This work is done jointly with a colleague (Cagatay Demiralp) and started from a conversation we had after a paper discussion meeting.

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Mp20-10 deep learning with a
convolutional neural network algorithm
for fully automated detection of prostate
cancer using pre-biopsy mri. The Journal
of Urology 199 , e256 (2018).

Prostate Cancer Detection using

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Deep Convolutional Neural ...

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Application And Theory

**Academics in Automatic Generation
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The first step of the method requires the
initialization of the neural network with

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the parameters of the architecture and
the configuration of the parameters for
the automatic generation. The
parameters that need to be set by the
user are seven. Download : Download
full-size image Fig. 2.

Automatic generation of LUTs for Hardware Neural Networks ...

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These networks extract the features automatically from the dataset and are capable of learning any non-linear function. That's why Neural Networks are called as Universal Functional Approximators . Hence, Deep Learning models are the state of the art in various fields like Natural Language Processing (NLP) , Computer Vision , Speech

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Synthesis ...

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**Automatic Music Generation | Music
Generation Deep Learning**

The fourth generation of AI is 'artificial
intuition,' which enables computers to
identify threats and opportunities
without being told what to look for, just
as human intuition allows us to ...

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The fourth generation of AI is here, and it's called ...

fication, automated visualization design, and deep neural networks (DNNs) for synthesis and machine translation. 2.1

Declarative Visualization Specification

Earlier data visualization work proposes grammars and algebraic operators over

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data as well as visual encoding and
design variables to specify visualizations
(Figure 1).

Data2Vis: Automatic Generation of Data Visualizations ...

In this post we discuss if neural networks
are capable of generating cricket
commentary by just watching it. There

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has been some work in the literature (can be found here, here and here) but they do not use neural networks. Being a believer in end to end deep learning, I think neural networks will seal the deal on this task in the near future.

**Can we generate Automatic Cricket
Commentary using Neural ...**

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This paper proposes an automatic classification of B-mode kidney ultrasound images based on the ensemble of deep neural networks (DNNs) using transfer learning. The ultrasound images are usually affected by speckle noise and quality selection in the ultrasound image is based on perception-based image quality

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