Asia Culture Gene **Digital Platform**

Experiencing the Digital Archiving

亚洲文化基因--数字平台 体验数字存档











Digital Platform



Speaker

Moderator



Speaker

Technical Supervisor



Dr. ZHANG Ting | Lecturer in the China Academy of Art, School of Design & Innovation. ZHANG has long focused on cross-cultural communication and artistic expression in international contexts, working on contemporary art curating, project management and art criticism.

Sissi HU Xiaochen | Associate Professor of Intelligence and Systematics Research Institute, China Academy of Art, School of Design & Innovation. Supported by Young Scholar Developing Program of CAA, HU focuses on researches of interactive design and digital media design and education.











创新设计学院 School of Design& Innovation, CAA

Society and Strategy

"智能与系统"研究所 Intelligence and Systematics

Media and Interaction Design

Enterprise and Prospect

Science and Creation

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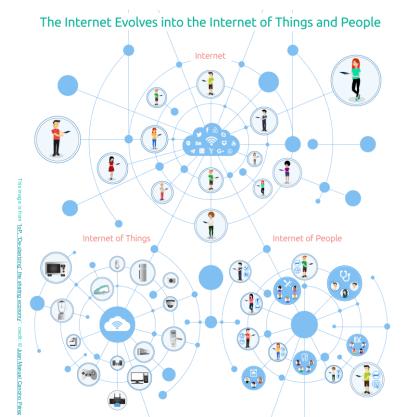
Cultural Management in the Digital Age

Asia Culture Gene Digital Platform Workshop



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We are all now connected by the Internet, like neurons in a giant brain.

--Stephen Hawking

Internet of People refers to the digitalization of relationships between people and the collection, processing and application of personal data.

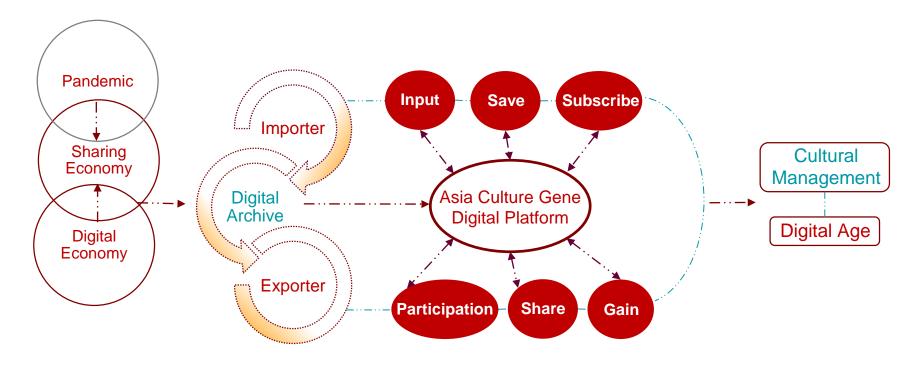
-- DNV, Norway

All networking functions take into consideration that Internet devices can be users' personal devices, and therefore exploit models of the human behavior to determine the way these devices should operate in the network.

-- Marco Conti / Andrea Passarella, CNR, Italy

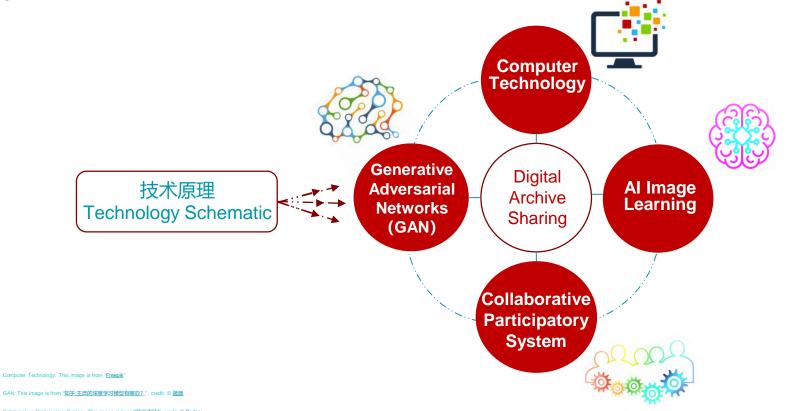






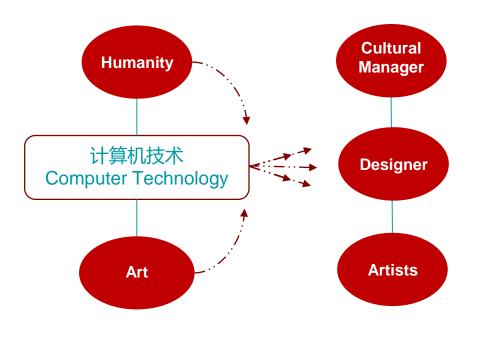












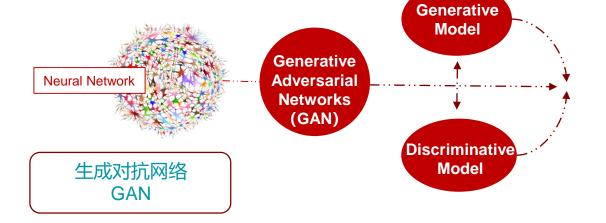
Promote artists, designers or other cultural practitioners to explore, use and study the application of artificial intelligence technology in the field of art, design and culture with a more open mind, so as to promote the continuous development of computer technology, and then to provide more possibilities for the development of the management industry in these fields.

Digital Age

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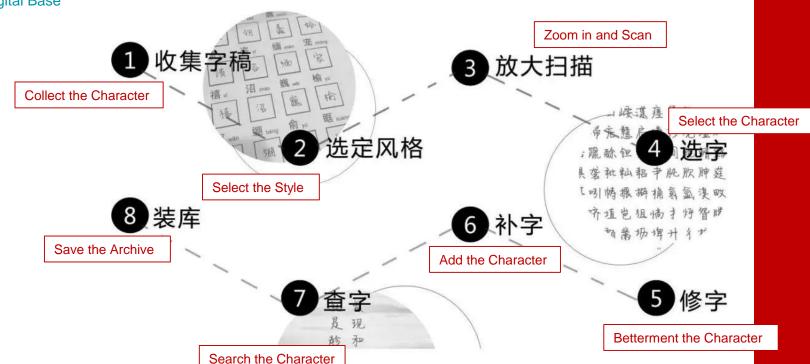
A new framework for estimating generative models via an adversarial process, in which we simultaneously train two models: a generative model G that captures the data distribution, and a discriminative model D that estimates the probability that a sample came from the training data rather than G. The training procedure for G is to maximize the probability of D making a mistake. This framework corresponds to a minimax two-player game.

-- Ian Goodfellow

Neural Network: This image is from "Pixarboy", credit: © GDJ







Font Design Process





Cultural Management in

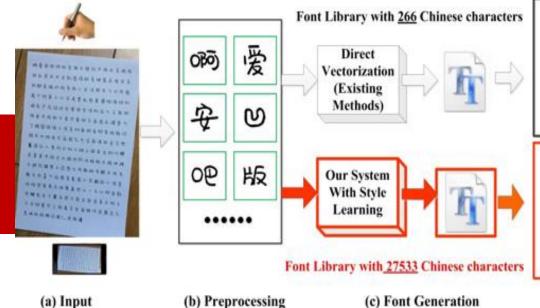
the

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Asia Typography Gene **Digital Base**



我与父亲不相见己二年余3。我易不稳忘记的 夏他的背影。哪年冬天。祖母死3。父亲的差使也 交卸3。正見視不单好的日子。我从北京勤徐州。 打算跟着父亲奔丧®家。勤徐州见着父亲、看见满 院狼藉めなる。又想起祖母。不禁簌簌地流下眼泪。 父亲説。"事已如此。不必难適。好在天元绝人を路!"

我与父亲不相见已二年余3、 我品不能忘记的 复他的背影。哪年冬天。祖母死了。父亲的差使也 交卸了。正复祸不单行的日子。我从北京勤徐州。 打算跟着父亲舜丧回家。勤徐州兄着父亲。看见满 院狼藉的な西。又想起祖母。不禁簌簌地流下眼泪。 父亲貌。"享已如此。不必难遏。好在天无绝人之路!"

(d) Text Rendering

This image is from "Automatic generation of large-scale handwriting fonts via style learning". © 北大计算机研究所 连审辉



Cultural Management in

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Mini Program myfont.me 手迹造字



书写 100 个字, 即可生成字库。

书写字数越多,生成效果越完美。

打造你的专属字库。

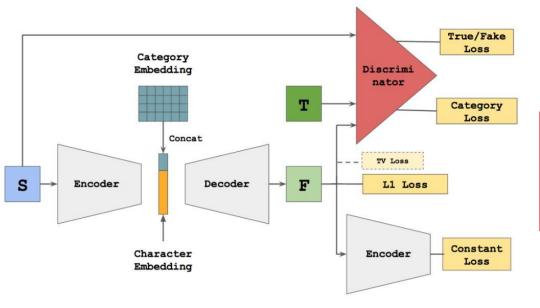
Every 100 written characters generates a font. The more words you write, the more perfect it will be to create your own vocabulary.



手迹造字







第 壱 話 使 徒 襲 来第 壱 話 使 徒 襲 来第 壱 話 使 徒 襲 来

zi2zi Model-Network Structure Diagram

Model Training Process

zi2zi算法: This image is from "zi2zi算法", © kaonashi-tyc



Cultural Manage<mark>ment in the Digit</mark>al Age

Development of Chinese Character

種成東字

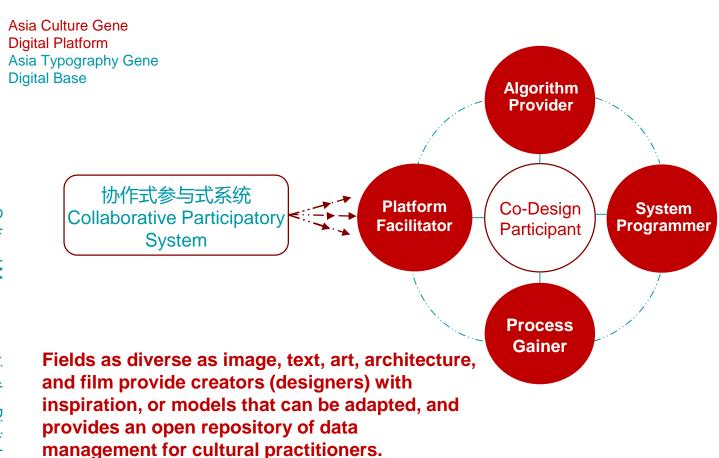
zi2zi Model Training Process

鹄 鹄

zi2zi算法: This image is from "zi2zi算法", © kaonashi-tyc



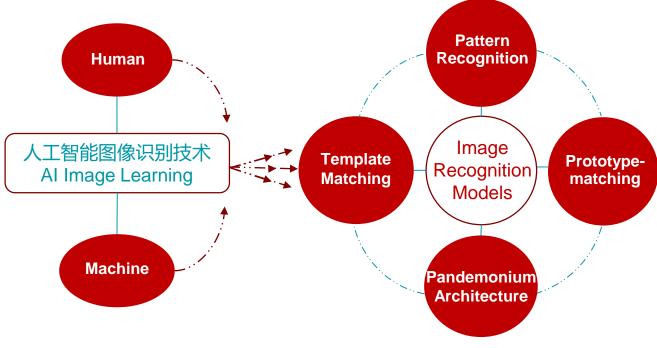
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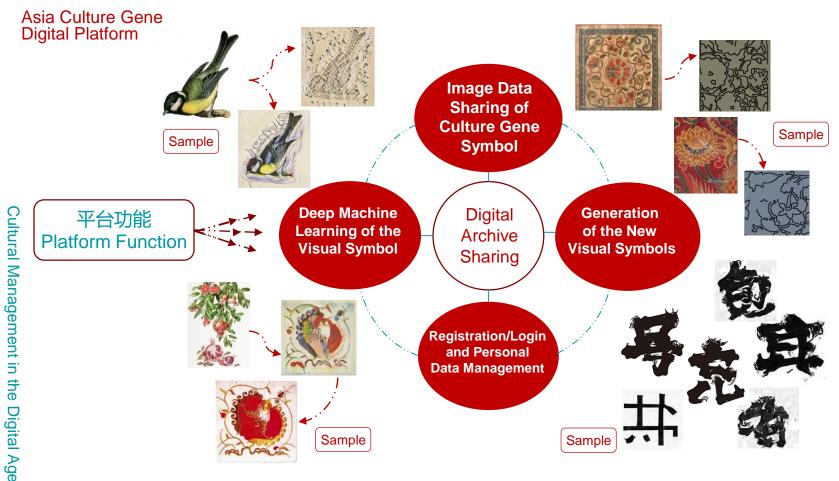




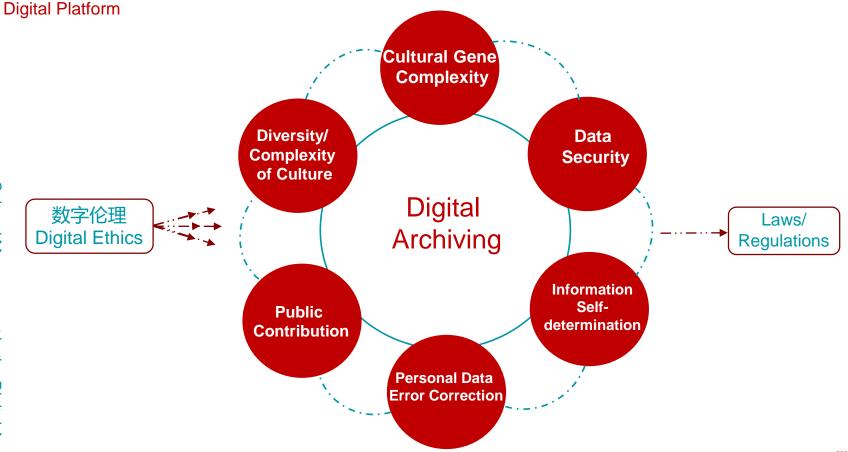
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王維【唐代】

遠看山有色, 近聽水無聲。 春去花還在,

人來鳥不驚







遠

远

緣

小篆

"远"字本义为距离长,是一个形声字。该字繁体形式为遠,左边为"辶",是"辵"的简体形式,有行走的意思,这里是说因为距离远,所以要走很长的路,右边为"袁","袁"字是说衣服长,这里是说道路很长。简体字"远"右边为"元","元"有开始的意思,这里是说从开始到终点要走很远的距离。后来,该字还指时间上的长久,如久远;也可表示人与人之间的关系不亲近,如疏远。



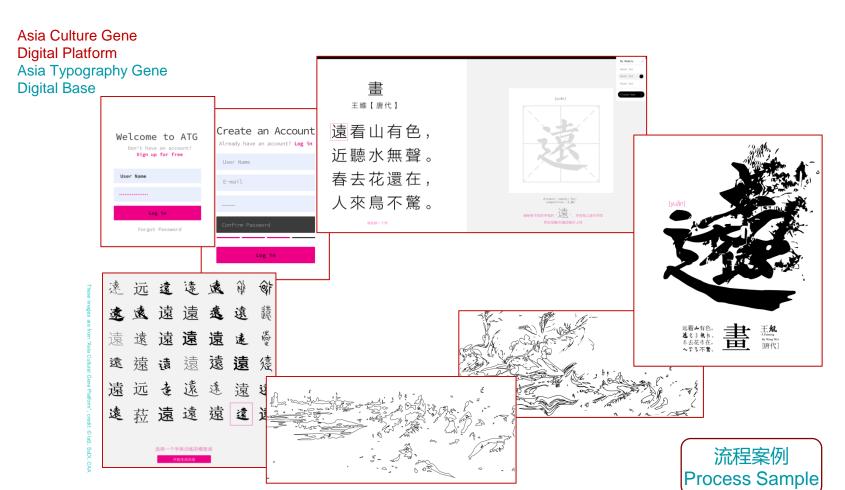


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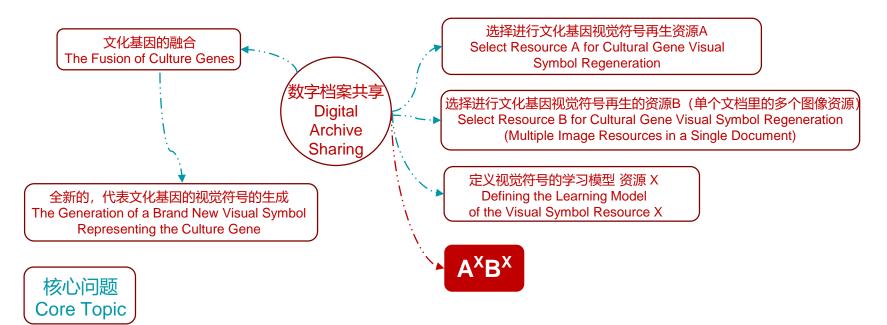


In case of further use please attribute: ZHANG Ting, HU Xiaochen

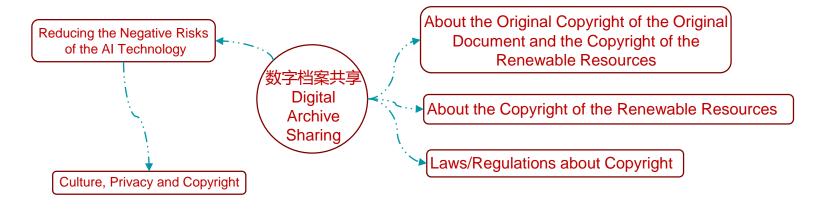
















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Thank you!

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