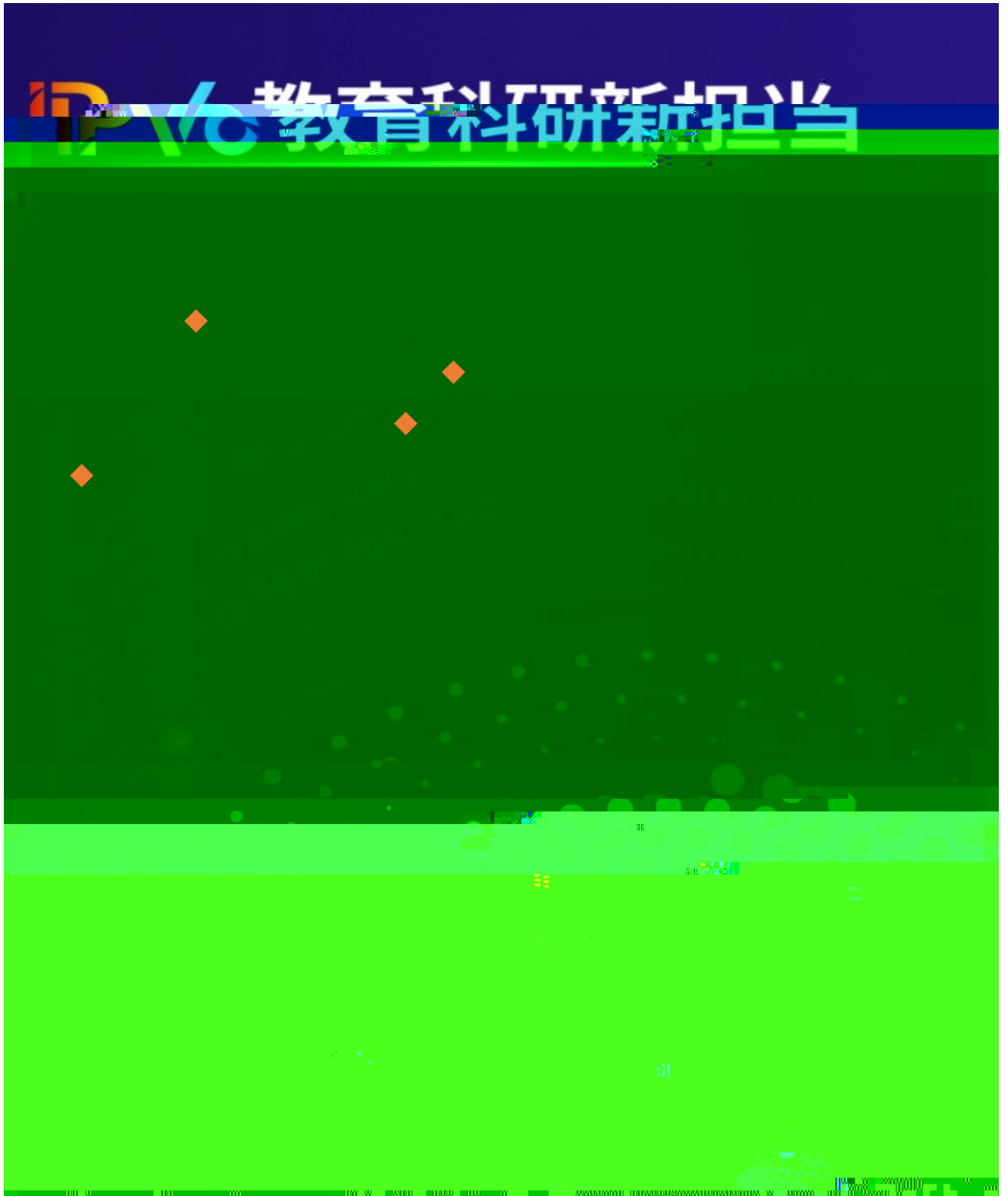


2021 10

IPVC 教育科研新担当





“ ”	03
	03
“ 2021 IPv6 ”	04
“ ”	04

	05
2021-2023	05
	05
	06
	06
	06
	06
	07

	08
	08
18 IPv6	09
“ ” IPv6	09
	10
	10

GÉANT 800G	11
2Africa	11
	11
6GHz Wi-Fi 5G	11



9 22

“ ”

“ ”

IPv6

edu.cn



2021 10 11 -12 “ ” “ 2021 IPv6 ”

“ ”

IPv6

“ IPv6 ” “ IPv6 ” “ IPv6

”

IPv6 “ ” IPv6

IPv6

IPv6

IPv6 22.87% IPv6

2021 8 IPv6

5.51 54.52% IPv6

20Tbps LTE IPv6 10Tbps 22.87%

IPv6 100

IPv6 IPv6



10 11 “ IPv6 ” IPv6

IPv6

IETF

ISOC



1



10 8

“

”

2020

5G

“

”

3

5G

2021 9 16

46.67%

6



1970

G.654E

-

G.654E

G.654E

400Gb/s

WDM

1900

G.654E

G.652D

G.654E



7

22

2025

10%

“

”

“

”

“

”

“

”

“

”





“ 2021 IPv6 ” 100 “ IPv6
” 100
18
CERNET “ IPv6 ”
CERNET “ IPv6 ”
“ ”
13

IPv6



“ 2021 IPv6 ——IPv6 ”
IPv6



2021 2

(2021-2025) 7

2021 8

“ ”

1

2

3

1

2

3

1

2

3

1

2

3



GÉANT 800G
GÉANT

GÉANT NREN
30% GÉANT 7PB

GÉANT_____

CMI Facebook MTN GlobalConnect Orange stc
Telecom Egypt Vodafone WIOCC 2Africa 2Africa
2Africa PEARLS
2Africa 45,000

C114_____

66%
“ ” “ ” “ ” (49%)
wifi 21% / 16%
14% / 12%

Jisc_____

2021 6 17 6GHz
480MHz 2021 12 1
Wi-Fi (
5G 500MHz Wi-Fi)
Wi-Fi 5G

Omdia_____



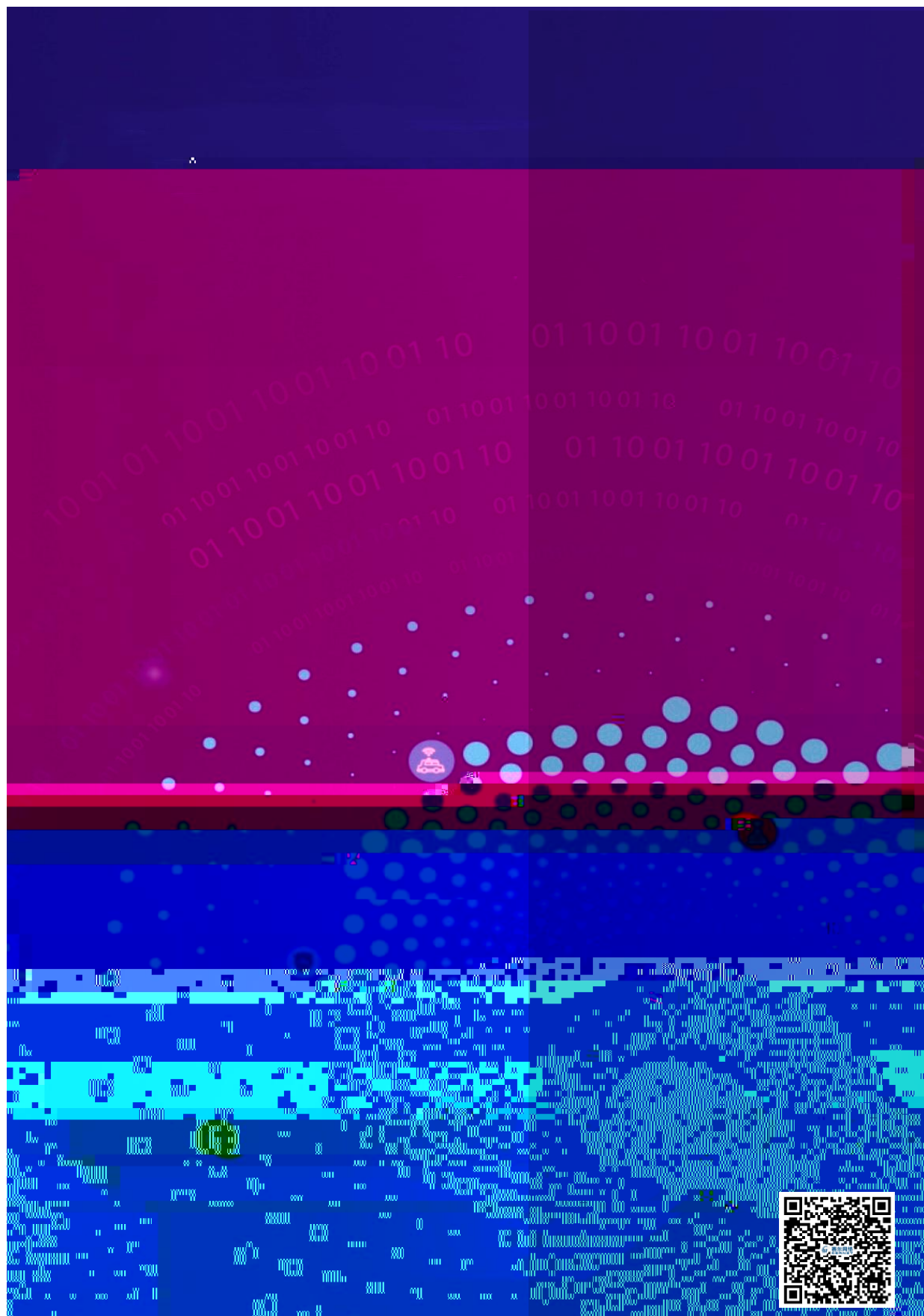
“ 21.6% 7.1% ” “
200Gbps ” “ 6

IPv6 IPv6
IPv6 ‘ ’ ”

PPT

“ ” 1
2 3 4
5 1
2 3
4 5 6

- ---
- ---
- ---
- ---
- ---
- ---



6260 3794

scgl@cernet.com

