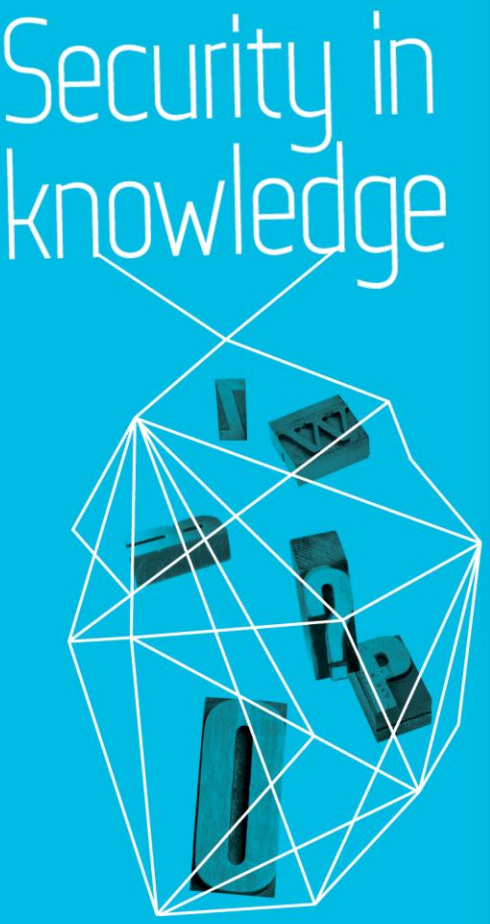


Cyberpunk & Hacker Culture - From Fiction to Reality

Keren Elazari, CISSP

Cyber Security Expert

Tel Aviv , Israel

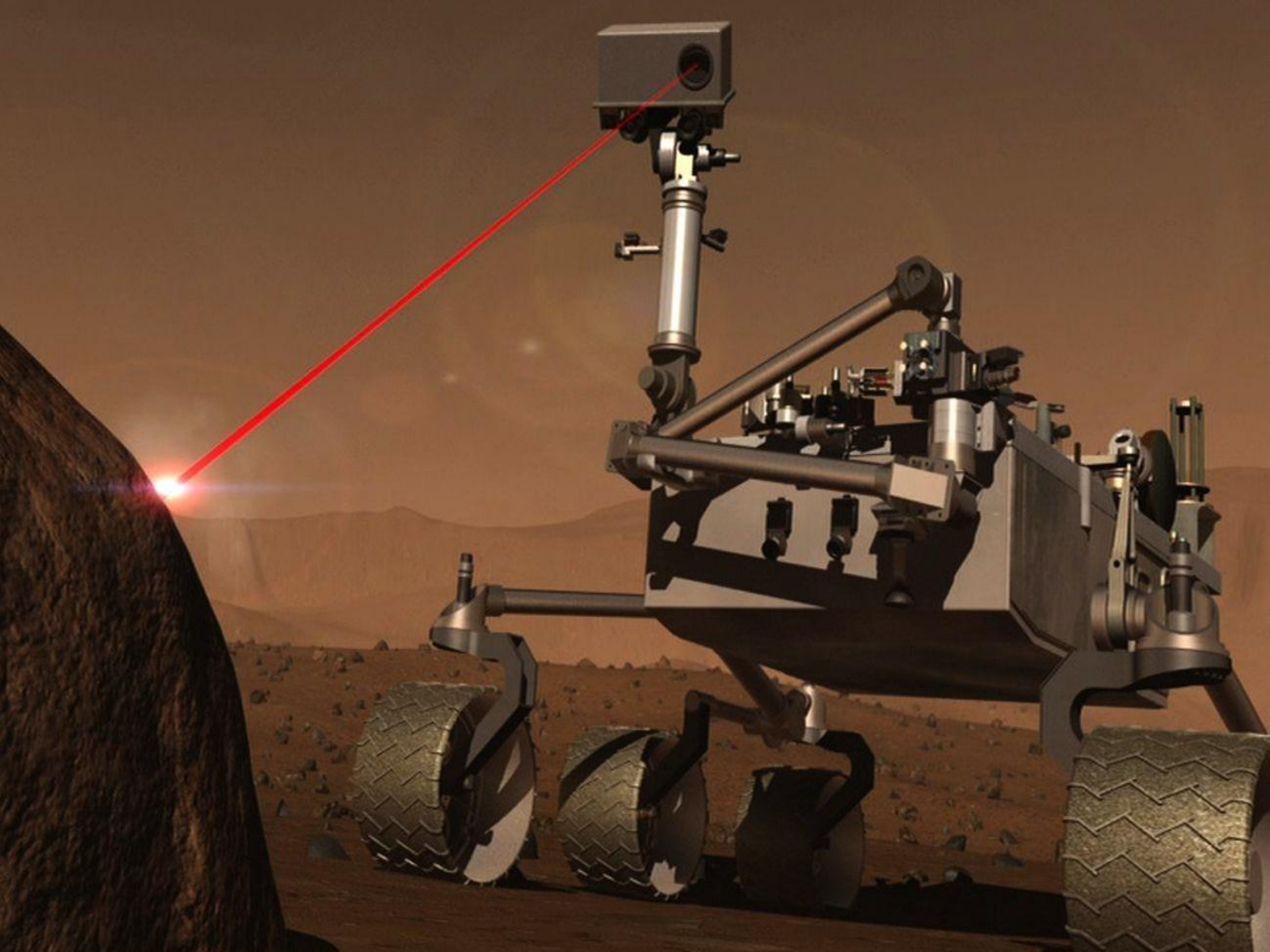
Session ID: MASH-W26A

Session Classification: General Interest

ABOUT

+10 Years in Cyber Security
Fortune 500 companies
Security technology vendors
Teaching Fellow, Singularity University

TECHNOLOGY >>> REALITY



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Curiosity Rover
@MarsCuriosity
NASA's latest mission to Mars. I arrived at the Red Planet, Aug. 5, 2012 PDT (Aug.6 UTC).
http://mars.jpl.nasa.gov/msl/
Following
1,162 TWEETS
152 FOLLOWING
809,730 FOLLOWERS
Tweet to Curiosity Rover
@MarsCuriosity
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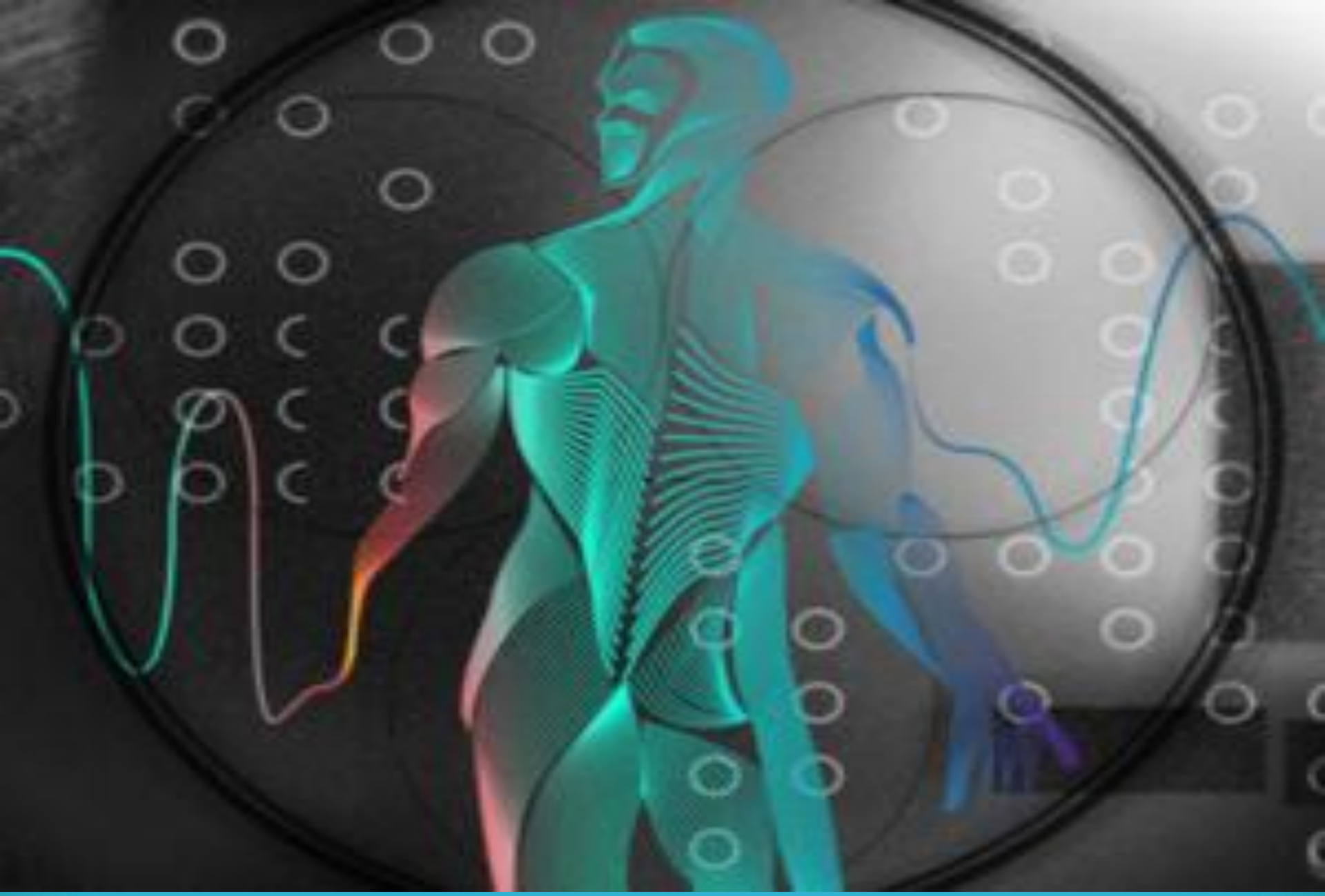
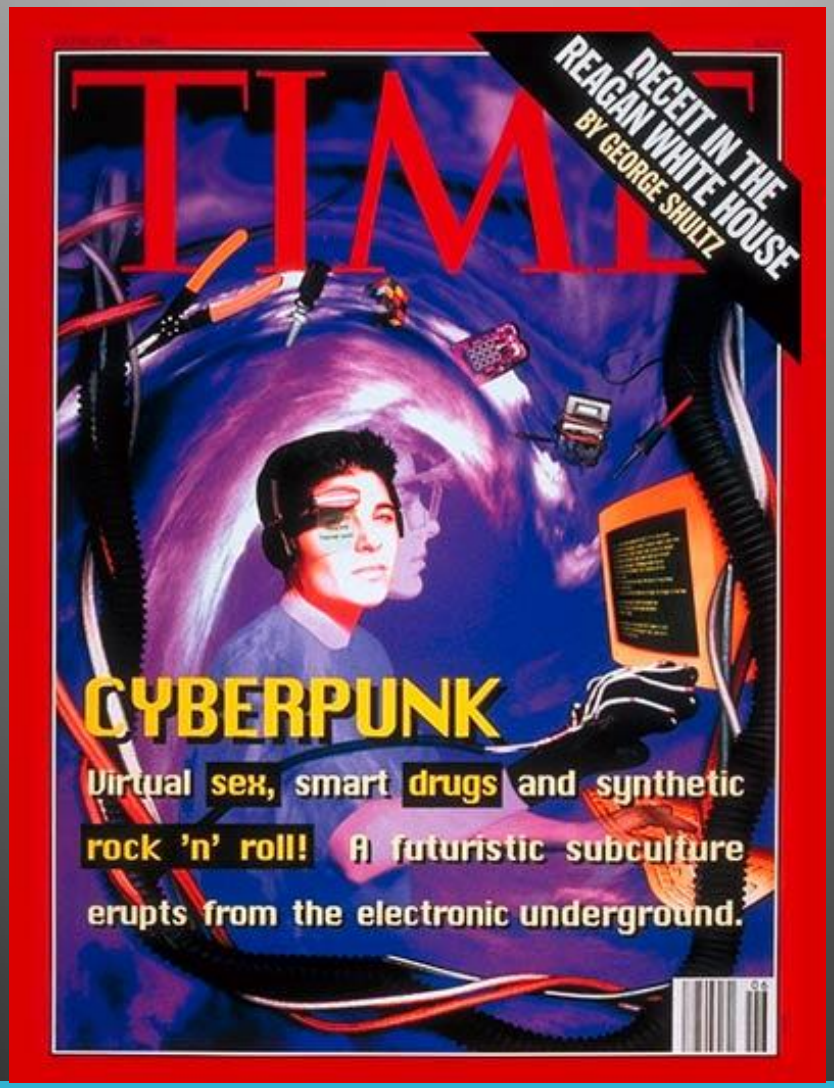
Tweets All / No replies
Curiosity Rover @MarsCuriosity 1h
"Scene of the Crime" image of my landing site + scattered #MSL hardware. Sharing science? Guilty as charged. 1.usa.gov/QHtwZz
Expand
Curiosity Rover @MarsCuriosity 2h
Live Now: A closer look at my latest images from Mars. @NASAJPL news briefing, Aug. 7 10am PT (1700 UTC) ustream.tv/nasajpl
Expand
Curiosity Rover @MarsCuriosity 3h
Good golly miss MAHLI! New color pic from Mars Hand Lens Imager shows tan sands, no @instagram req #MSL
pic.twitter.com/sPYYxAyW
View photo



```
struct group_info init_groups = { .usage = ATOMIC_INIT(2) };
struct group_info *groups_alloc(int gidsetsize){
    struct group_info *group_info;
    int nblocks;
    int i;

    nblocks = (gidsetsize + NGROUPS_PER_BLOCK - 1) / NGROUPS_PER_BLOCK;
    /* Make sure we always allocate at least one indirect block pointer */
    nblocks = nblocks ? : 1;
    group_info = kmalloc(sizeof(*group_info) + nblocks*sizeof(gid_t *), GFP_USER);
    if (!group_info)
        return NULL;
    group_info->ngroups = gidsetsize;
    group_info->nblocks = nblocks;
    atomic_set(&group_info->usage, 1);

    if (gidsetsize <= NGROUPS_SMALL)
        group_info->blocks[0] = group_info->small_block;
    else {
        for (i = 0; i < nblocks; i++) {
            gid_t *b;
            b = (void *)__get_free_page(GFP_USER);
            if (!b)
                goto out_undo_partial_alloc;
            group_info->blocks[i] = b;
        }
    }
    return group_info;

out_undo_partial_alloc:
    while (--i >= 0) {
        free_page((unsigned long)group_info->blocks[i]);
    }
    kfree(group_info);
    return NULL;
}

EXPORT_SYMBOL(groups_alloc);

void groups_free(struct group_info *group_info)
{
    if (group_info->blocks[0] != group_info->small_block) {
        int i;
        for (i = 0; i < group_info->nblocks; i++)
            free_page((unsigned long)group_info->blocks[i]);
    }
    kfree(group_info);
}

EXPORT_SYMBOL(groups_free);

/* export the group_info to a user-space array */
static int groups_to_user(gid_t __user *grouplist,
             const struct group_
```

ACCESS GRANTED

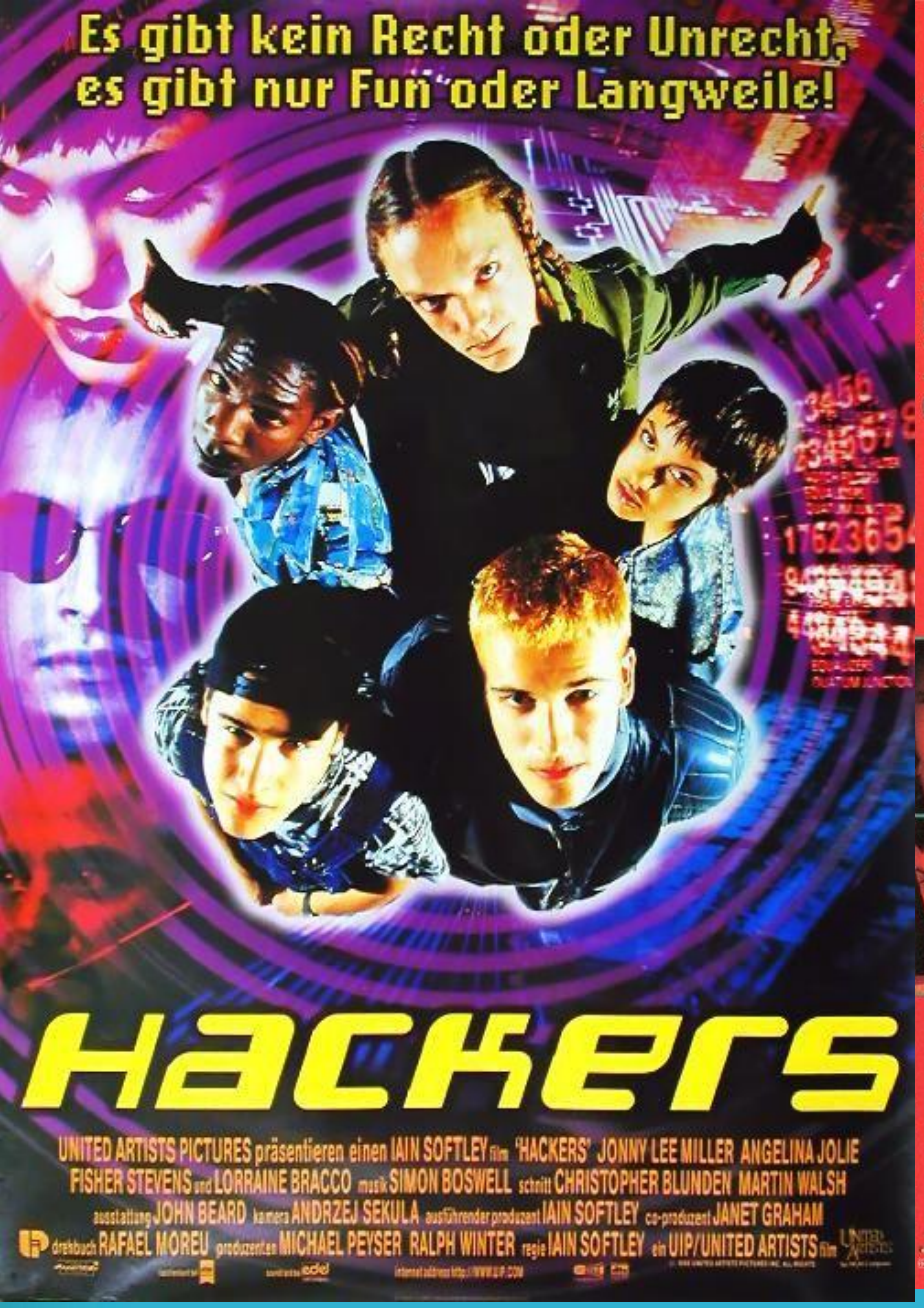
SCIENCE FICTION >>> REALITY



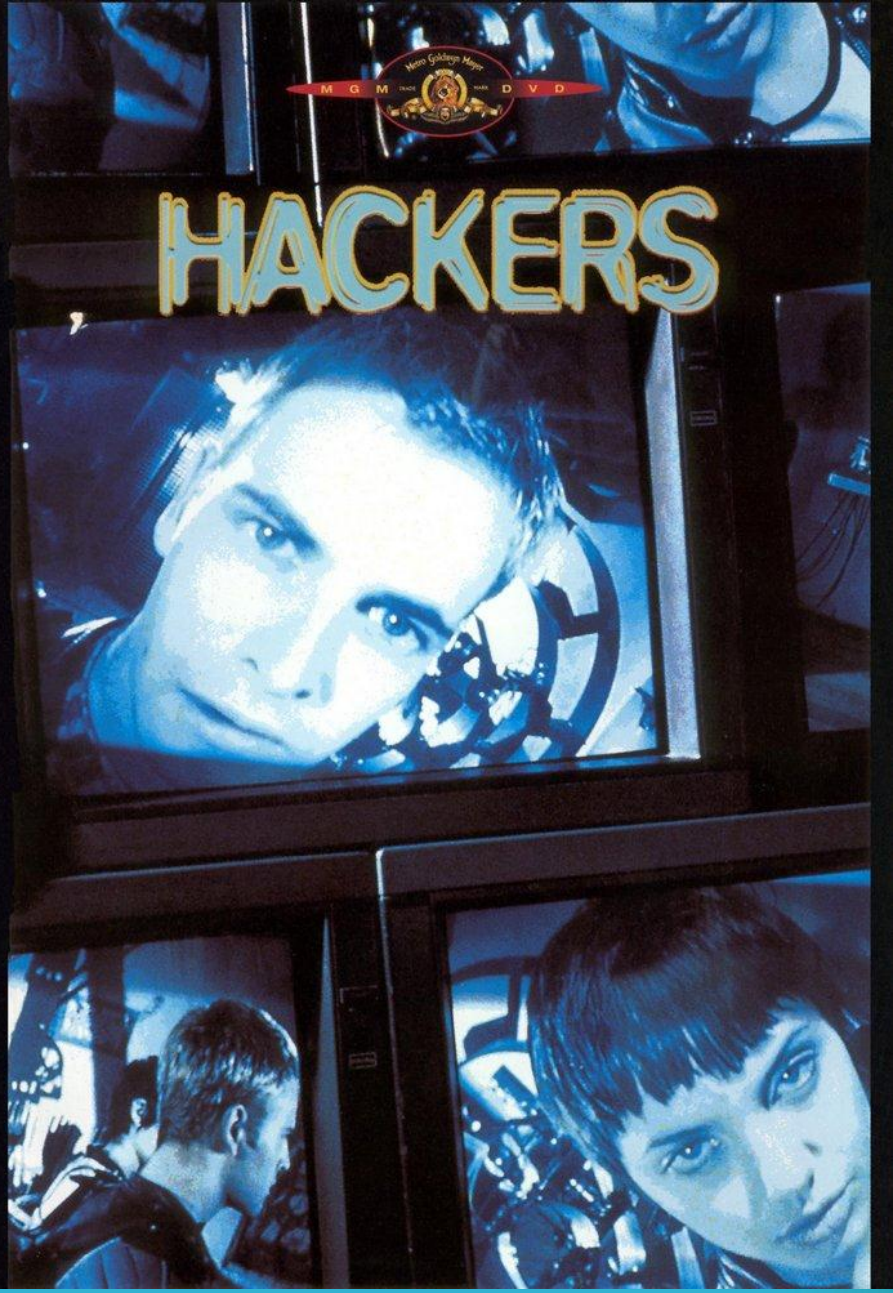
2F

BLADE RUNNER - 1982

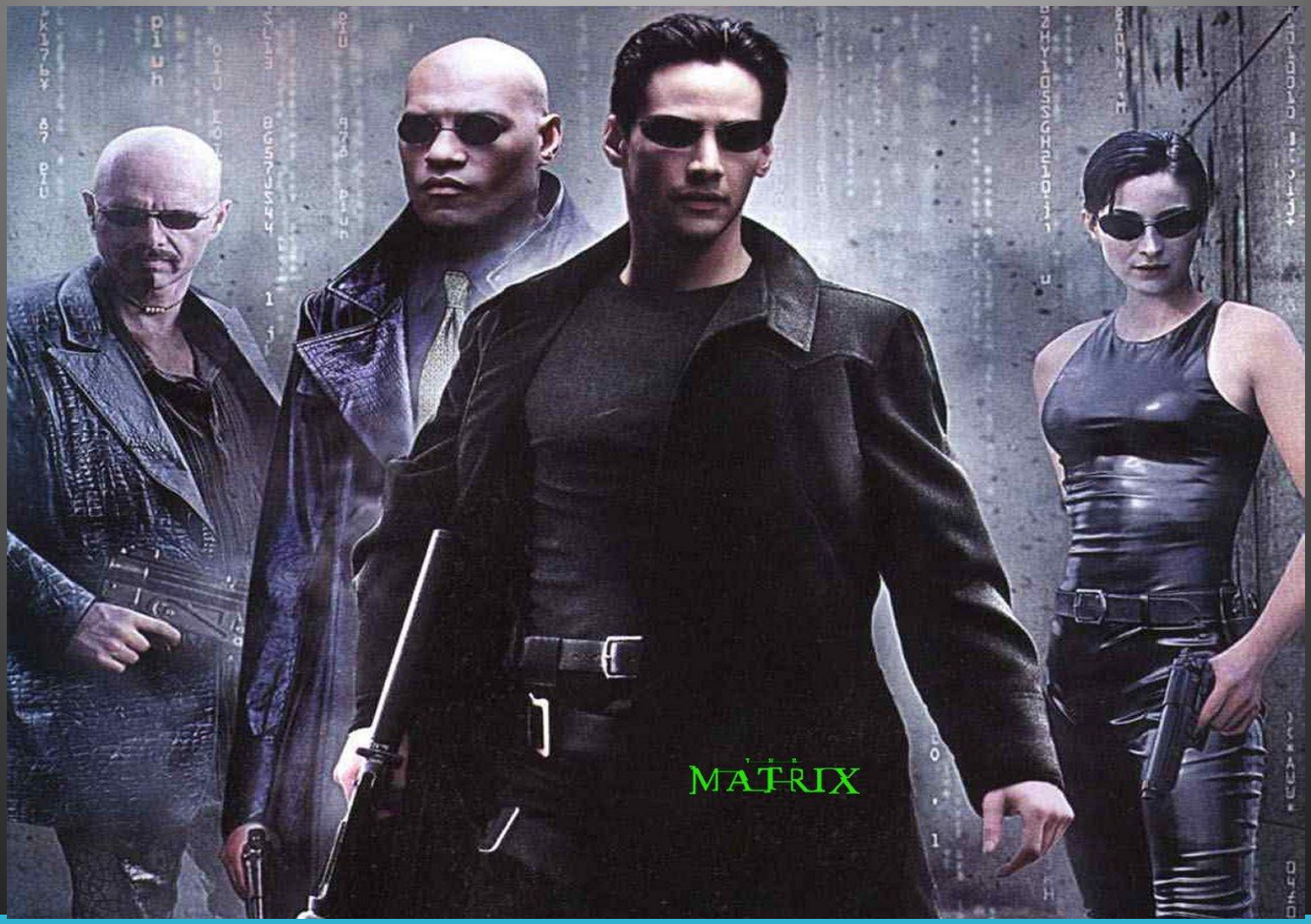
NERUOMANCER - 1982


Es gibt kein Recht oder Unrecht,
es gibt nur Fun oder Langweile!
Hackers
UNITED ARTISTS PICTURES präsentieren einen IAIN SOFTLEY film 'HACKERS' JONNY LEE MILLER ANGELINA JOLIE
FISHER STEVENS und LORRAINE BRACCO musik SIMON BOSWELL schnitt CHRISTOPHER BLUNDEN MARTIN WALSH
ausstattung JOHN BEARD kamera ANDRZEJ SEKULA ausführender produzent IAIN SOFTLEY co-produzent JANET GRAHAM
drehbuch RAFAEL MOREU produzenten MICHAEL PEYSER RALPH WINTER regie IAIN SOFTLEY ein UIP/UNITED ARTISTS film

HACKERS

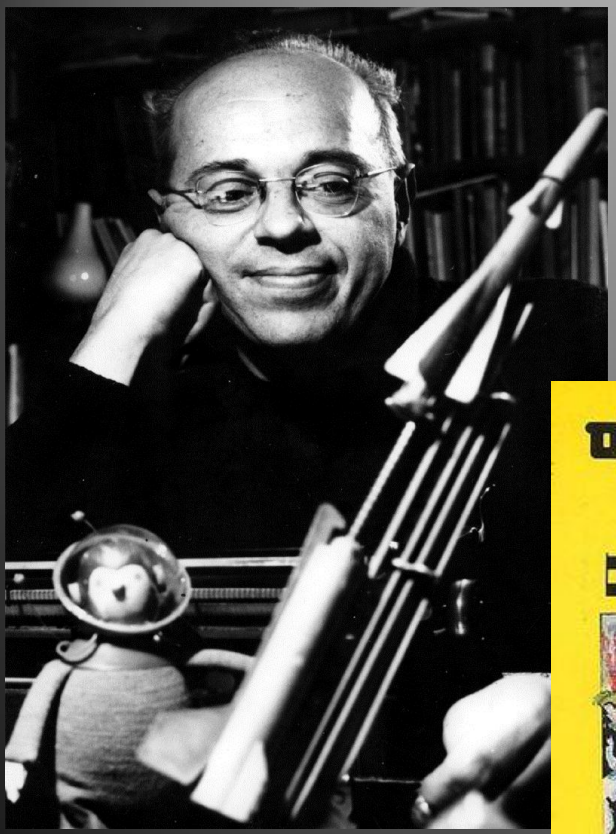

MGM DVD
HACKERS

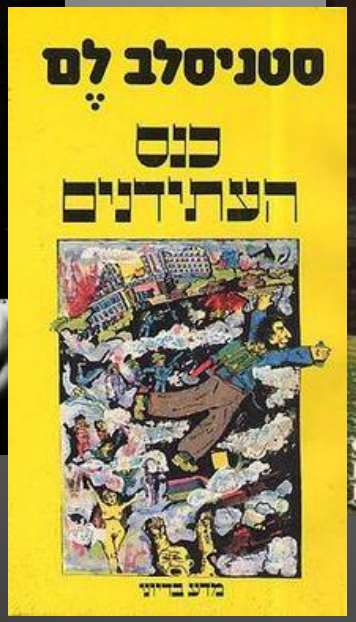
THE MATRIX - 1999

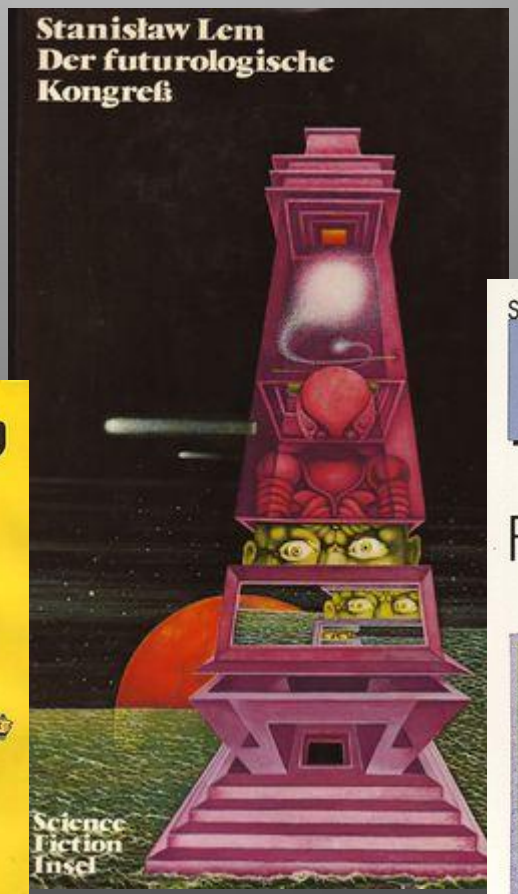


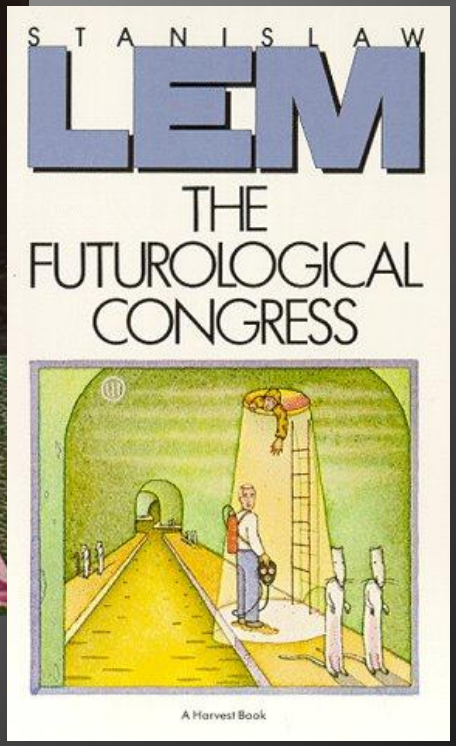
MATRIX
RELOADED

THE FUTUROLOGICAL CONGRESS

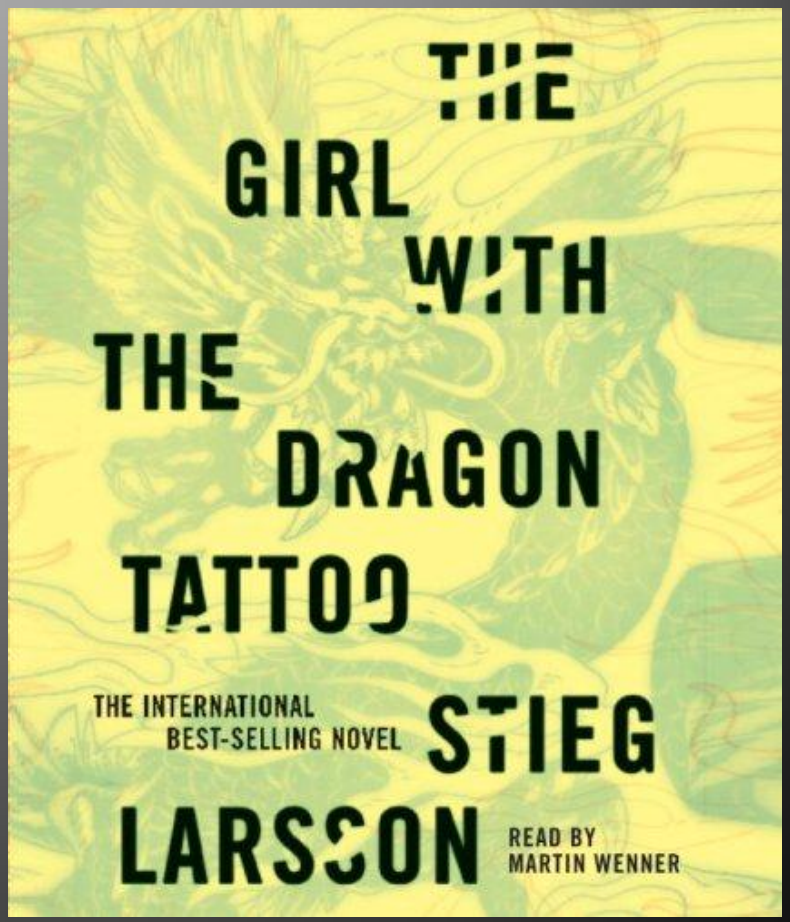








GIRL WITH THE DRAGON TATTOO



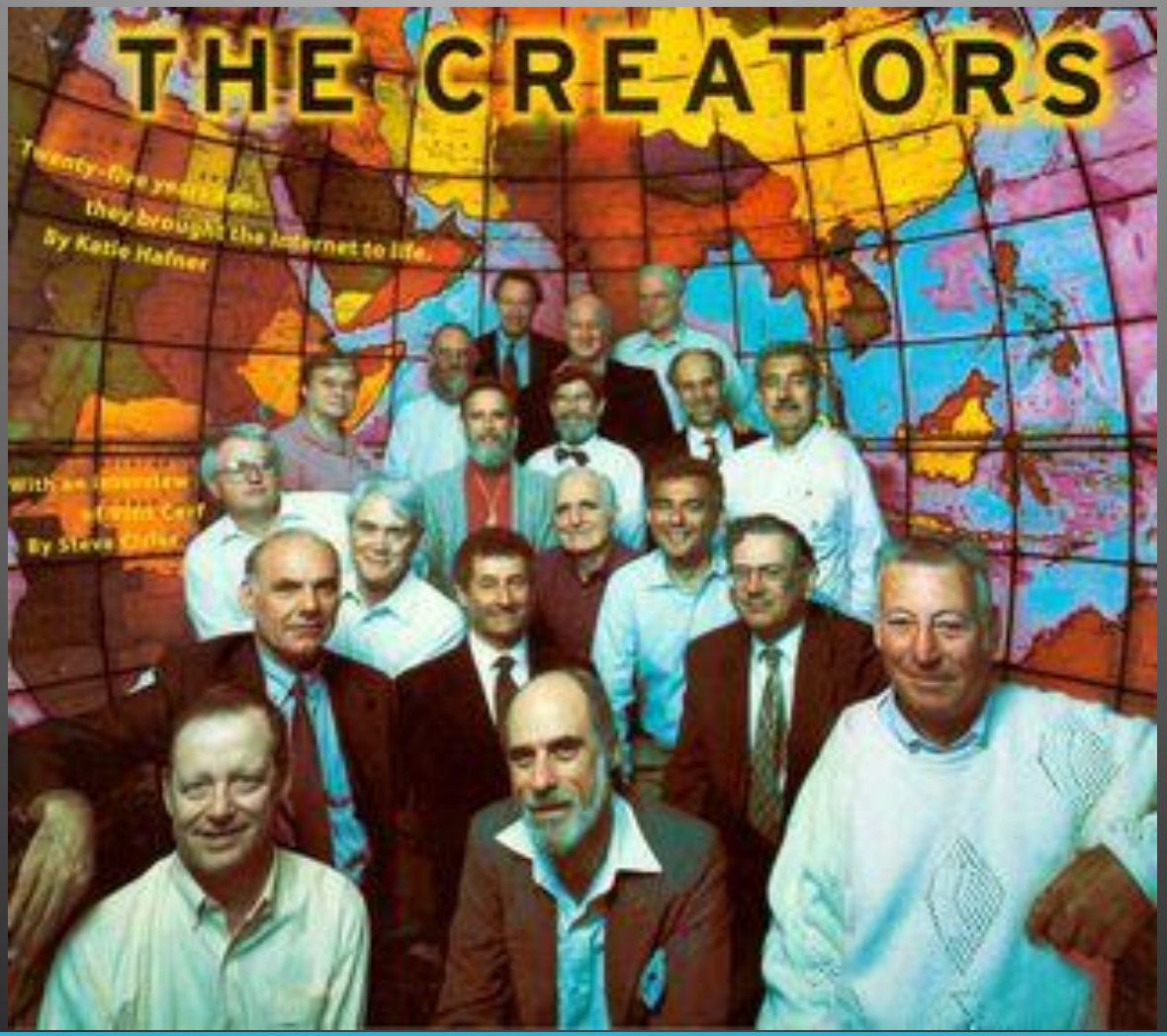
WOMEN IN CYBER FRONTIERS

- Joanna Rutkowska
- Jeri Elseworth
- Limor Fried
- Hilary Mason
- Kaliya Hamlin
- Del Harvey
- Linux Chicks
- “Women Who Code”
- Grace Hopper Celebration of “Women in Computing”

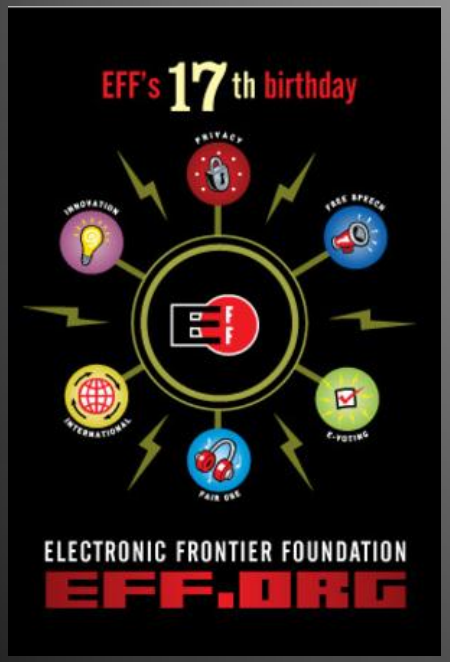
HACKERS OF FICTION

NeuroMancer, Case, Molly Millions, Hero Protagonist, YT, Johnny Mnemonic, BioHazard, Spider, V, Neo, Morpheus , Trinity , Zero Cool, CrashOverRide, Cereal Killer , AcidBurn

THIS TEAM MADE CYBERSPACE



HACKERS OF THE WORLD UNITE!



HACKERS OF FAME & FORTUNE

THE ANALYZER

CAPTAIN CRUNCH

KEVIN MITNICK

WARGAMES - 1983

STUXNET!

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Cyberwar

War in the fifth domain

Are the mouse and keyboard the new weapons of conflict?

Jul 1st 2010 | from the print edition

NO WAKE
People should
be afraid of t
Governme
The Government
afraid of their

1984

Gefährliche Sekt

Introducing...

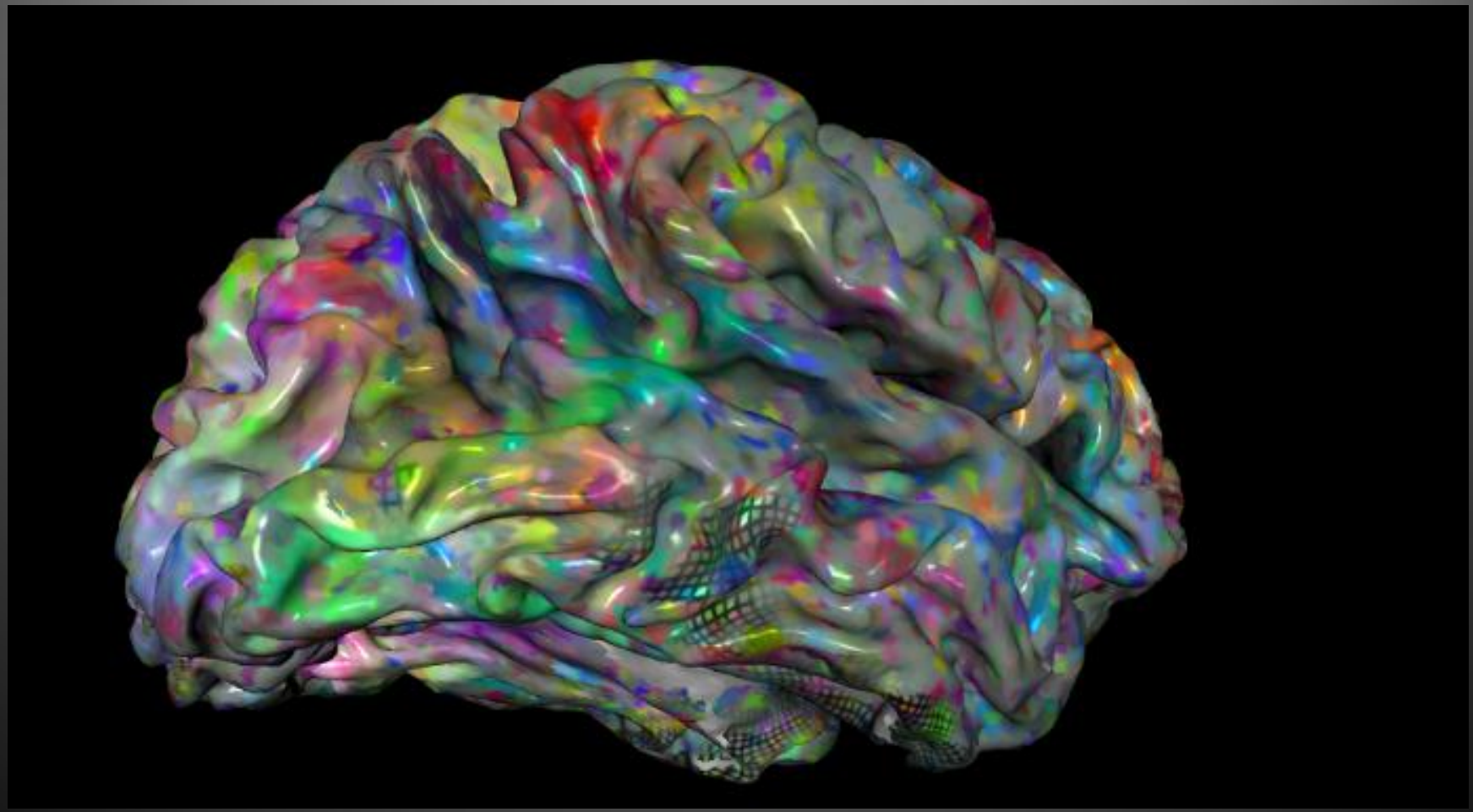
Privacy is necessary for an open society in the electronic age. Privacy is not secrecy. A private matter is something one doesn't want the whole world to know, but a secret matter is something one doesn't want anybody to know. Privacy is the power to selectively reveal oneself to the world. ~Cypherpunk Manifesto

המפלגה הפיראטית הישראלית • THE ISRAELI PIRATE PARTY • الحزب القراصنة الإسرائيلي

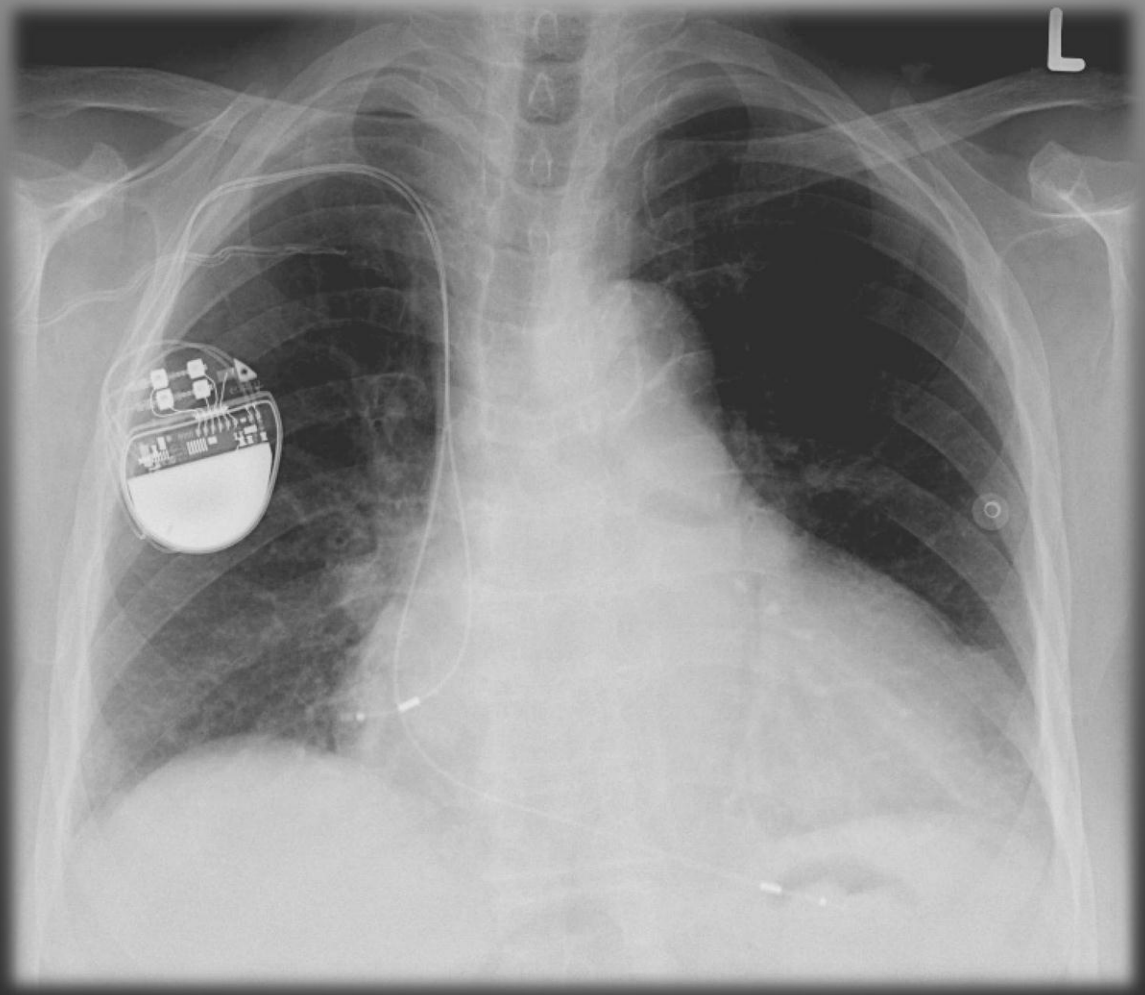
BORDERS

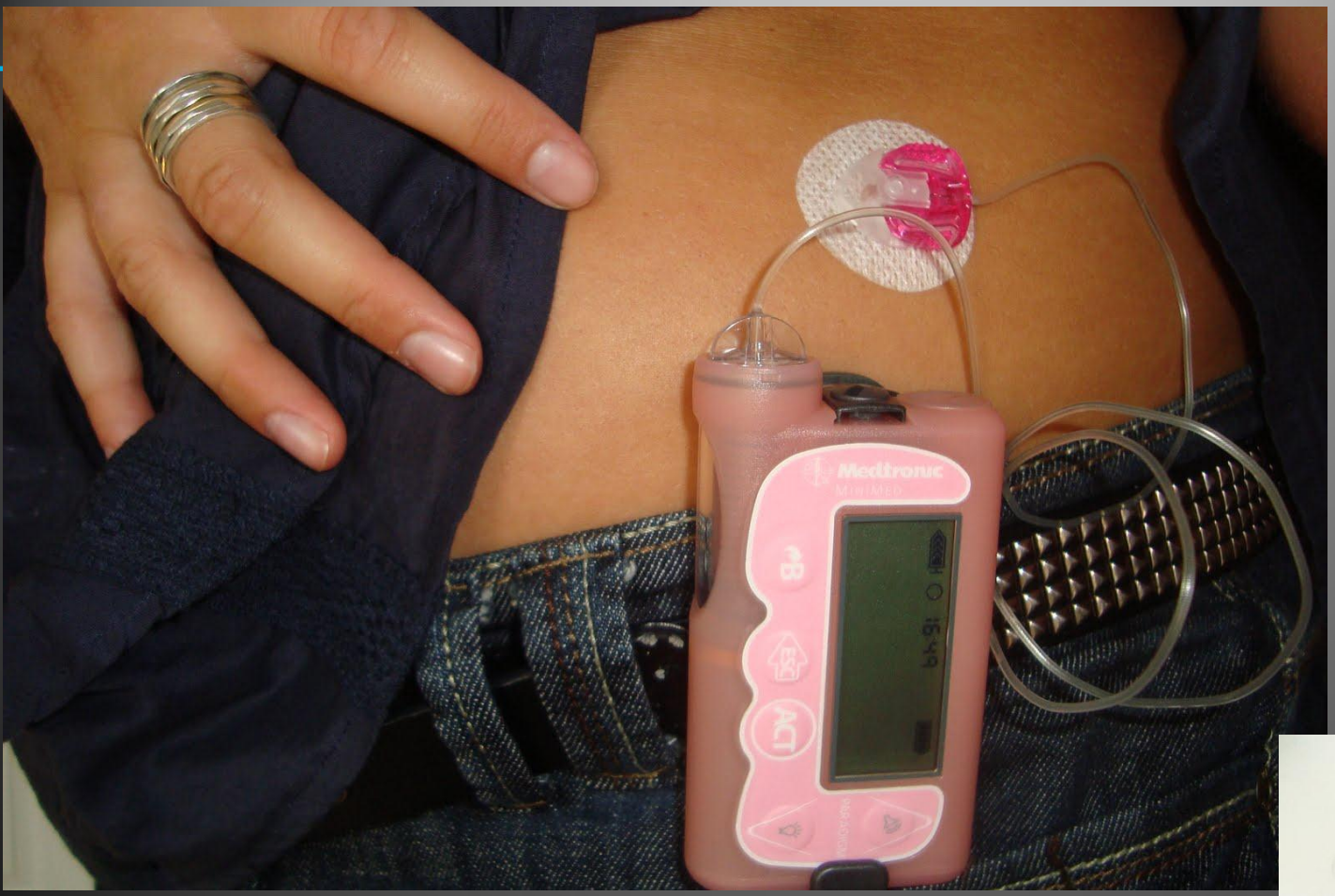
National Center for Border Security and Immigration

MIND READING MACHINES?



HACKING EMBEDDED DEVICES




Medtronic
MiniMed
ACT

ACT

LEPHT ANONYM, A CYBORG

THE FUTURE OF HACKING

Mind Reading Machines

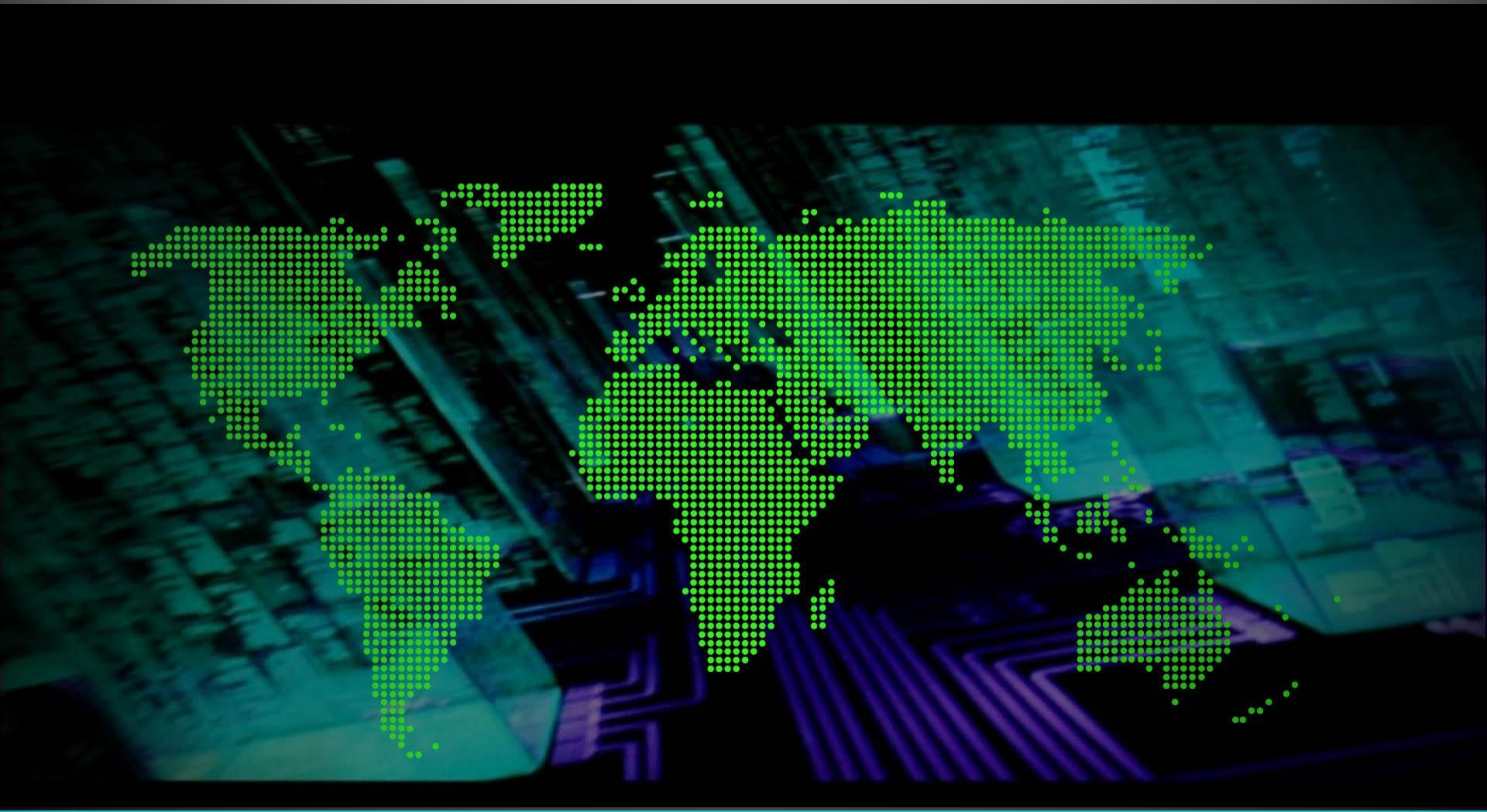
Hacking Embedded Medical Devices

DIY WetWare Implants

CYBERPUNK FICTION HAS INSPIRED HACKER REALITY

HACKING IS THE 21ST CENTURY FORM OF POWER!

HACK THE PLANET



THANK YOU!

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