

# PROGRAM / MAY 2024













# WELCOME TO THE 'BRIGHTEST' SCIENCE & MUSIC FESTIVAL IN THE WORLD!

DEAR STARMUS FRIENDS, SINCE ITS INCEPTION, STARMUS HAS BROUGHT TOGETHER THE WORLD'S GREATEST SCIENTIFIC AND ARTISTIC MINDS, AIMING TO INSPIRE AND EDUCATETHE NEXT GENERATION OF EXPLORERS. UNTIL NOW, WE HAVE INTERROGATED THE MYSTERIES OF THE UNIVERSE, LOOKING OUTWARDS INTO SPACE. NOW IN BRATISLAVA, STARMUS LOOKS INWARDS, FOCUSING OUR GAZE ON POSSIBLY THE MOST AMAZING PLANET IN THE UNIVERSE. AS LIVING BEINGS, WE ARE PART OF THE COSMOS. THE VERY ATOMS IN OUR BODIES WERE FORGED IN THE BIRTHING OF THE UNIVERSE AND IN THE DEATHS OF STARS. NOW WE AND OUR PARENT PLANET FACE A CRITICAL MOMENT, OUR FATE INTIMATELY LINKED TO OUR OWN ACTIVITIES. STARMUS VII WILL TAKE A TIMELY LOOK AT THE PRESENT STATE OF THE BIOSPHERE, AND WILL EXAMINE THE FUTURE PROSPECTS OF OUR BEAUTIFUL BLUE DOT'.

WELCOME TO STARMUS EARTH!



BRIAN MAY & GARIK ISRAELIAN STARMUS CO-FOUNDERS



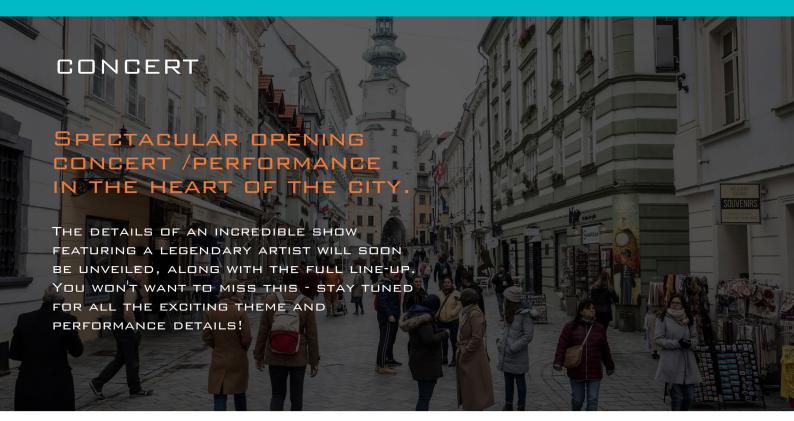








# 12 MAY 2024 / 19:00 / OPENING CONCERT













# DAY 1

### JANE GOODALL

REASONS FOR HOPE

### MARY ROBINSON

BUILDING A CLIMATE JUSTICE MOVEMENT

# KATHARINE HAYHOE

THE MOST IMPORTANT CLIMATE EQUATION:
SCIENCE + WORRY + ACTION = HOPE

### NATHANIEL KEDHANE

CAPITALISM HELPED CREATE THE CLIMATE CRISIS. CAN CAPITALISM HELP SOLVE IT, TOO?

#### MARY KALDOR

IS WAR AN ANACHRONISM?

### BREAK (60')

### SYLVIA EARLE

EXPLORING AND PROTECTING EARTH'S DEEP FRONTIER

### STEVEN CHU

THE CHALLENGES IN GETTING TO NET-ZERO GHG EMISSIONS

# MAUREEN RAYMO

CLIMATE, CO2, AND SEA LEVEL: PAST IS PROLOGUE

### PANEL DISCUSSION

DAMIA BARCELO ROS RICKABY BOB BISHOP

ATMOSPHERIC RIVERS -HOW WOULD A C21ST NOAH RESPOND?

### PANEL DISCUSSION

OLIVIA LAZARD SVITLANA KRAKOVSKA CHRIS RAPLEY STAFFAN QVIST

TAMPERING WITH THE AIR CONDITIONER - WHAT WILL BE THE HUMAN IMPACTS OF COLLAPSING ICE IN THE ANTARCTIC?











# DAY 2

# EDVARD MOSER

NATURE OR NURTURE

### CHARLIE DUKE

TO THE MOON AGAIN: THE HOPE OF ARTEMIS

### TONY FADELL

INNOVATING TO SAVE OUR PLANETS

### BERNHARD SCHÖLKOPF

IS AI INTELLIGENT?

BREAK (60')

# RICHARD MARKO

TECH FOR EARTH: RETHINKING CYBERSECURITY IN THE AGE OF GLOBAL CHALLENGES

### NEIL LAWRENCE

WHAT MAKES US UNIQUE IN THE AGE OF AI

#### PHILIP TORR

AI TO THE PEOPLE

### GARY MARCUS

TAMING SILICON VALLEY

# ROELAND NUSSELDER

Al WILL EAT ALL OUR ENERGY, UNLESS WE MAKE IT TINY









DAY 3

# STEPHEN HAWKING MEDAL AWAR





AWARDING EXCELLENCE IN SCIENCE COMMUNICATION

# SONIC UNIVERSE CONCERT

THE OFFSPRING TONY HADLEY SPECIAL GUEST EXCLUSIVE 'ONE OFF' PERFORMANCES TBA













### DAY 4

### PIETRO BARABASCHI

CAN NUCLEAR FUSION HELP TO FUEL THE WORLD? ITER AND THE GLOBAL FUSION INNOVATION PROGRAM

### MARTIN REES

POST-HUMAN INTELLIGENCE, A COSMIC PERSPECTIVE

### GEORGE SMOOT

COSMOLOGY TODAY AND

### MICHEL MAYOR

INFINITE JUNGLE OF EXTRASOLAR PLANETS

### LAURIE ANDERSON

BUILDING AN ARK

BREAK (60')

# ANTON ZELLINGER

RANDOMNESS AND REALITY

### DONNA STRICKLAND

GLOBAL ENVIRONMENTAL
MEASUREMENT
AND MONITORING (GEMM)

### EMMANUELLE CHARPENTIER

A BRIGHT FUTURE FOR GENE EDITING

### KURT WÜTHRICH

BROWNIAN MOTION AND PROTEIN DYNAMICS IN SOLUTION

### 108 MIN. ROUND TABLE

### UFO RESTAURANT

JANE GOODALL
KIP THORNE
LAURIE ANDERSON
CHRIS HADFIELD
DEXTER HOLLAND
GARIK ISRAELIAN
EMMANUELLE CHARPENTIER
MARTIN REES
KATHARINE HAYHOE
STEVEN CHU











# DAY 5

# KAM GHAFFARIAN

THE GATEWAY TO FUTURE
PROTECTING OUR HOME, OUR
PLANET AND FINDING NEW
HOMES IN STARS

### KATHRYN THORNTON

CORRECTING HUBBLE'S VISION: FIRST SERVICE MISSION TO THE HUBBLE SPACE TELESCOPE

### CHRIS HADFIELD

THE SKY IS FALLING - WHAT TO DO ABOUT SPACE JUNK?

### KIP THORNE & LIA HALLORAN

POETRY, ART AND SCIENCE: THE WARPED SIDE OF THE UNIVERSE

BREAK (60')

### CAROLE MUNDELL

FROM NEAR EARTH TO THE FABRIC OF SPACE TIME JOURNEY THROUGH THE COSMOS WITH THE EUROPEAN SPACE AGENCY

### DANTE LAURETTA

FROM BENNU TO THE BRAIN:
TRACING THE ORIGINS OF LIFE
AND CONSCIOUSNESS THROUGH
ASTEROID SAMPLE ANALYSIS

### BRIAN GREEN

UNTIL THE END OF TIME

### PANEL DISCUSSION

JOEL PARKER
PATRICK MICHEL
SCOTT HUBBARD
GARRETT REISMAN

FESTIVAL CLOSSING 17 MAY 2024, 18:30 TIPOS ARÉNA







