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**Smart skin that
can
respond to
external
stimuli
could have
important**

applications in
medicine and
robotics. Using
only items
found in a
typical
household,

researchers
have created
multi-sensor
artificial skin
that's capable
of sensing
pressure,

temperature,
humidity,
proximity, pH,
and air flow.

The
flexible,

paper-based
skin is
layered

onto a
post-it
note,
with

paper,
aluminum
foil,
lint-free

wipes,
and
pencil
lines

acting
as
sensing
compon

ents.
Being
made of
recyclabl

e
material
s, this
paper

skin
presents
a large
number

of
sensory
function
s in a

cheap
and
environ
mentally

friendly
way.

“Democ
ratizatio
n of

electronics
will
be key
in the

future
for its
continu
ed

growth.

In that
regard,
a

skin-typ
e
sensory
platform

made
with
recyclab
le

material
s only
demonstrates

the
power
of
human

imagination,
”
said
Prof.

Muham

mad

Mustafa

Hussain

, senior
author
of the *A
dvance*

d

Material

s

Technol

ogies
paper.
“This is
the first

time a
singular
platform
shows

multi-se
nsory
function
alities

close to
that of
natural
skin.

Addition
ally they
are
being

read or
monitor
ed
simultan

eously
like our
own
skin.”

Smart Skin Made of Recyclable Materials May Transform Medicine and Robotics

Écrit par Wiley

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